# Public Hearing November 14, 2024

# Walnut Valley Water District Cost-of-Service Water Rate Study





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### **Executive Summary**

The Walnut Valley Water District (District) is located in the San Gabriel Valley in Los Angeles County and provides water and recycled water services to customers in the City of Diamond Bar, portions of the cities of Industry, Pomona, Walnut, West Covina, and a portion of the unincorporated area of Rowland Heights. The District periodically reviews its rates to determine if adjustments are required to meet its operational costs, system improvements and to fund reserves based on adopted reserve policies.

The District's utilities are separate business enterprises that collect revenues primarily through utility rates to cover all of its revenue requirements (expenses including reserve funding). Utility rates are designed to fully fund each respective enterprise and ensure that each customer pays their fair share of their total use of the water system. This cost-of-service study is intended to (1) establish the total projected cost of the utilities over a five-year period and (2) allocate those costs among customers in a way that ensures that each customer pays its fair share of those costs in compliance with California Constitution Article XIII D, section 6, also known as Proposition 218.

#### Water Utility Summary

#### Financial Plan

Updating the water utility's long-term financial plan and performing a comprehensive cost-of-service analysis is a prudent business practice to ensure each utility can fully fund its revenue needs from Fiscal Year 2025 (FY 2025) through FY 2029 (Rate Setting Period) and beyond. In reviewing and updating water rates, the first step is to thoroughly check the financial health of the water utility. Based on a financial review at current rates, revenues from existing rates are not sufficient to cover operating expenses over the Rate Setting Period. The water utility is projected to end FY 2025 with an operating deficit of approximately \$3.3M, which would continue to grow annually without rate increases. Separate from operating expenses, the water utility also has significant capital projects over the next five years totaling \$55.3M, which includes the new headquarters and other projects such as reservoir coatings, pipeline replacement, and meter replacement. The new headquarters is debt financed over 30 years with annual payments of approximately \$2M. The debt financing of the headquarters provides equity between existing and future customers by spreading the cost over the amortization schedule of 30 years. To meet the District's revenue requirements over the Rate Setting Period, the proposed financial plan is projected to generate \$26.1M<sup>1</sup> in additional annual rate revenue by the end of FY 2029.

#### Rate Structure

The current water rate structure has both fixed and variable components. The fixed component consists of a fixed charge that varies by meter size and dedicated fire line charges that vary by connection size. Commodity rates vary by customer class, with Single-Family Residential customers subject to a three-tiered rate structure, charged in hundred cubic feet (HCF²) increments. All other customer classes pay their proportionate share of costs through uniform rates per HCF. The District also has pumping rates, charged per HCF, for certain areas that require booster pumps (and hence additional energy and operations and maintenance costs) to cover the cost of conveying water up to higher elevations.

The detailed cost-of-service analysis within this report includes adjustments to the existing rate structure. Single-Family residential will maintain a three-tiered rate structure, but tier allotments have been updated to reflect Senate Bill 1157 (47 gallons per capita per day or gpcd) for Tier 1 and recent water usage

<sup>&</sup>lt;sup>2</sup> 1 HCF = 748.052 gallons





<sup>&</sup>lt;sup>1</sup> The proposed financial plan assumes 27,141 active accounts and 13,008 Acre Feet (AF) in sales.

characteristics for the other tiers. Multi-Family, Non-Residential, and Irrigation rate structures will maintain uniform rates.

By adopting the proposed financial plan and approving rates through FY 2029, the water utility is projected to generate positive net income above operating expenses by FY 2026, cover its capital costs, and exceed its minimum reserve requirement by FY 2029.

The proposed rates have been incorporated into a Proposition 218 Notice and mailed to each customer. A Public Hearing is scheduled for November 14, 2024, on the proposed rates identified in Table 1 through Table 3. If there is no majority protest, and the Board of Directors approves this cost-of-service study and proposed rates, the proposed rates for FY 2025 will go into effect on January 1, 2025, with subsequent adjustments occurring each January 1<sup>st</sup> thereafter.

Table 1: Proposed Water Fixed Charges

Proposed Fixed Charges (\$/Month)					
Meter Size	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029
≤3/4"	\$37.15	\$41.98	\$47.44	\$53.61	\$60.58
1"	\$51.59	\$58.30	\$65.88	\$74.45	\$84.13
1 1/2"	\$87.65	\$99.05	\$111.93	\$126.49	\$142.94
2"	\$130.93	\$147.96	\$167.20	\$188.94	\$213.51
3"	\$246.35	\$278.38	\$314.57	\$355.47	\$401.69
4"	\$376.19	\$425.10	\$480.37	\$542.82	\$613.39
6"	\$736.85	\$832.65	\$940.90	\$1,063.22	\$1,201.44
8"	\$1,169.65	\$1,321.71	\$1,493.54	\$1,687.71	\$1,907.12

Table 2: Proposed Dedicated Fire Line Charges

<b>Proposed Dedic</b>	ated Fire Li	ne Charges	(\$/Month)		
Connection Size	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029
All Sizes	\$15.51	\$17.53	\$19.81	\$22.39	\$25.31



Table 3: Proposed Water Commodity Rates (\$/HCF)

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<b>Proposed Comn</b>	Proposed Commodity Rates (\$/HCF)					
Customer Class	Tier Definitions	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029
Single-Family						
Tier 1	0 - 6 HCF	\$3.55	\$4.02	\$4.55	\$5.15	\$5.82
Tier 2	7 - 27 HCF	\$4.49	\$5.08	\$5.75	\$6.50	\$7.35
Tier 3	>27 HCF	\$5.97	\$6.75	\$7.63	\$8.63	\$9.76
Multi-Family	Uniform	\$4.46	\$5.04	\$5.70	\$6.45	\$7.29
Non-Residential	Uniform	\$4.46	\$5.04	\$5.70	\$6.45	\$7.29
Irrigation	Uniform	\$4.46	\$5.04	\$5.70	\$6.45	\$7.29

Table 4: Proposed Pumping Rates (\$/HCF)

Proposed Pump	ing Rates (\$	S/HCF)			
Pumping Zone	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029
Pump Zone 2	\$0.26	\$0.30	\$0.34	\$0.39	\$0.45
Pump Zone 3	\$0.48	\$0.55	\$0.63	\$0.72	\$0.82

#### Recycled Water Utility Summary

#### Financial Plan

Based on a financial review of the recycled water utility at current rates, revenues from existing rates are not sufficient to cover operating expenses over the Rate Setting Period. The recycled water utility is projected to end FY 2025 with an operating deficit of approximately \$132k, which continues to grow annually. Separate from operating expenses, the recycled water utility also has capital projects over the next five years totaling \$6M. The proposed financial plan is projected to generate \$1.4M³ in additional annual rate revenue by the end of FY 2029.

#### Rate Structure

The existing recycled water rates include the same fixed charges as the water utility and a uniform commodity rate. The proposed recycled fixed charges will continue to be equivalent to the proposed water fixed charges, and commodity rates will recover the remaining revenue requirements through a uniform rate applied to all recycled water customers. The recommended recycled water rates are included within the Proposition 218 Notice, and a Public Hearing is scheduled for November 14, 2024, on the proposed rates identified in Table 5 and Table 6. If there is no majority protest, then the Board may adopt the proposed rates for FY 2025, which will go into effect on January 1, 2025, with subsequent adjustments occurring each January 1st thereafter.

<sup>&</sup>lt;sup>3</sup> The proposed financial plan assumes 330 active accounts and 1,320 Acre Feet (AF) in sales.



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Table 5: Proposed Recycled Water Fixed Charges

Proposed Recycled Fixed Charges (\$/Month)					
Meter Size	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029
≤3/4"	\$37.15	\$41.98	\$47.44	\$53.61	\$60.58
1"	\$51.59	\$58.30	\$65.88	\$74.45	\$84.13
1 1/2"	\$87.65	\$99.05	\$111.93	\$126.49	\$142.94
2"	\$130.93	\$147.96	\$167.20	\$188.94	\$213.51
3"	\$246.35	\$278.38	\$314.57	\$355.47	\$401.69
4"	\$376.19	\$425.10	\$480.37	\$542.82	\$613.39
6"	\$736.85	\$832.65	\$940.90	\$1,063.22	\$1,201.44
8"	\$1,169.65	\$1,321.71	\$1,493.54	\$1,687.71	\$1,907.12

Table 6: Proposed Recycled Water Commodity Rates (\$/HCF)

<b>Proposed Recy</b>	cled Comm	odity Rates	(\$/HCF)		
Customer Class	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029
Recycled	\$2.66	\$3.04	\$3.47	\$3.96	\$4.53



### **Water Utility**

#### Water System

The District is located approximately 20 miles east of Los Angeles in the San Gabriel Valley, encompasses an area of 29 square miles, and services the City of Diamond Bar, portions of the cities of Industry, Pomona, Walnut, West Covina, and a portion of the unincorporated area of Rowland Heights. The District provides water to a population of approximately 93,000 customers through 27,141 service connections<sup>4</sup>. The water system consists of two large, imported water pipelines, 382 miles of distribution mains (ranging from 4 inches to 51 inches), 15 pump plants, and 28 reservoirs.

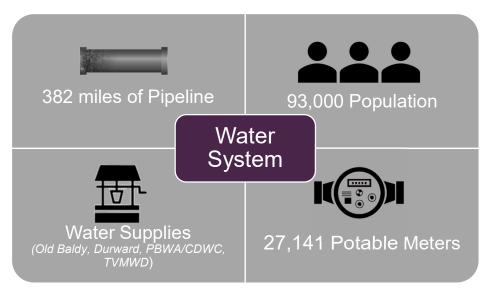


Figure 1: District Water System

The Capital Improvement Plan (CIP) identified \$55.3M in projects over the next 5 years, which includes system reinvestment and new capital improvements. The District has two separate capital funds. The Asset Repair & Replacement (R&R) includes projects such as reservoir coatings, pipeline and meter replacement, vehicles and equipment, and other necessary improvements. The Capital Improvement includes new projects such as the headquarters. Debt funding has been secured to spread the cost of the new headquarters over 30 years. A detailed list of projects is shown in Appendix A. Figure 2 shows the combined annual CIP costs through FY 2029 and anticipated funding sources.

 $<sup>^{\</sup>rm 4}$  Based on FY 2024 billing and consumption data.



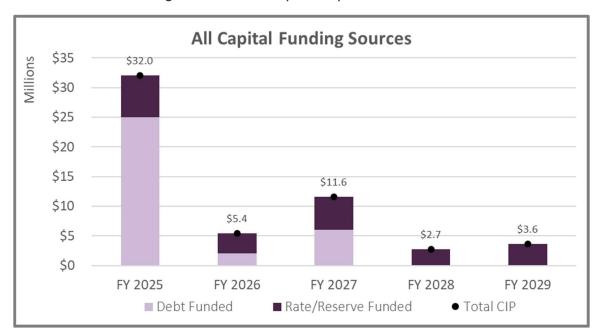


Figure 2: Water Capital Improvement Plan

#### **Customers**

The District serves 27,141 water meters, with approximately 95% of accounts classified as residential, and 631 dedicated fire line connections. Table 7 provides a summary of accounts by meter size and connection size for fire lines.



Table 7: Water Accounts by Meter Size / Connection Size

Accounts by Met	ts by Meter Size / Connection Size					
Meter Size	Single- Family	Multi- Family	Non- Residential	Irrigation	Accounts	Dedicated Fire Lines
≤3/4"	22,945	3	168	39	23,155	
1"	2,394	52	368	58	2,872	27
1 1/2"	165	18	282	86	551	6
2"	7	50	299	158	514	7
3"	-	-	-	-	-	-
4"	-	1	2	-	3	20
6"	-	28	2	-	30	167
8"	-	14	2	-	16	145
10"	-	-	-	-	-	86
12"	-	-	-	-	-	1
Private Hydrant	-	-	-	-	-	172
Total	25,511	166	1,123	341	27,141	631



As previously mentioned, the existing rate structure consists of monthly fixed charges, monthly dedicated fire line charges, commodity rates that vary by customer class, and pumping rates that vary by zone. The District offers a discounted rate on the monthly fixed charge to qualifying Single-Family accounts (Affordable Rate Discount). The Affordable Rate Discount is funded by non-rate revenues from cell tower rent. Single-Family customers are subject to a three-tiered rate structure. Multi-Family, Non-Residential, and Irrigation are charged uniform rates. Current monthly fixed charges and monthly dedicated fire line charges are identified in Table 8 and Table 9, respectively, followed by current commodity rates and tiers shown in Table 10. Pumping rates by zone are shown in Table 11.

Table 8: Existing Water Fixed Charges

Existing Fixed Charges (\$/Month)						
Meter Size	Current Charge	Current Affordable Rate Discount				
≤3/4"	\$25.14	\$12.57				
1"	\$39.64	\$19.82				
1 1/2"	\$75.90	\$37.95				
2"	\$119.38	\$59.69				
3"	\$235.39	\$117.70				
4"	\$365.89	\$182.95				
6"	\$728.38	\$364.19				
8"	\$1,163.36	\$581.68 <sub>.</sub>				

Table 9: Existing Dedicated Fire Line Charges

Existing Dedicated Fire Li	ne Charges (\$/Month)
Connection Size	Current Charge
1"	\$11.07
1 1/2"	\$11.88
2"	\$13.30
4"	\$27.09
6"	\$58.46
8"	\$112.53
10"	\$193.90
12"	\$0.00
Private Hydrant	\$58.46



Table 10: Existing Water Commodity Rates (\$/HCF)

<b>Existing Commodity</b>	Rates (\$/HCI	F)
Customer Class	Tier Definitions	Current Rate
Single-Family		
Tier 1	0 - 6 HCF	\$3.60
Tier 2	7 - 27 HCF	\$4.79
Tier 3	>27 HCF	\$5.51
Multi-Family	Uniform	\$4.10
Non-Residential	Uniform	\$4.34
Irrigation	Uniform	\$4.34
Affordable Rate Discount		
Tier 1	0 - 6 HCF	\$3.60
Tier 2	7 - 27 HCF	\$4.79
Tier 3	>27 HCF	\$5.51

Table 11: Existing Pumping Rates (\$/HCF)

Existing Pumping	g Rates (\$/HCF)
Pumping Zone	Current Rate
Pump Zone 2	\$0.32
Pump Zone 3	\$0.56



#### **Financial Plan Overview**

#### Financial Planning

Financial planning incorporates numerous considerations, including projecting revenues and forecasting expected costs using various inflationary adjustments. Utilities also need to account for changes in water demand driven by variations in weather, changes to water supplies and water availability, state mandates, growth, and economic factors. In addition, system maintenance and reinvestment, reserves, and debt service requirements all influence the revenues needed in future years. Therefore, a comprehensive financial plan reviews the following:

- 1) Historical water sales and consumption patterns to determine an appropriate usage level for projecting future water demands.
- Operational costs that may change over the planning period because of inflation, unique circumstances of the agency, new expenditures added to meet strategic goals, state mandates, or changes in operations.
- 3) Multi-year system improvement needs, and scheduling based on priority. This review also considers available funding sources to complete projects such as PAYGO, grants, loans, and debt financing.
- 4) Satisfy debt service coverage ratio requirements for any existing or proposed debt (125%).
- 5) Reserve funding to meet adopted reserve policies. The goal is to generate adequate cash on hand to mitigate financial risks related to operating cashflow needs, unexpected increases in expenses, shortages in system reinvestment, and mitigating potential system failures.

Figure 3 illustrates the key elements when developing a long-term financial plan.



Figure 3: Financial Plan Key Elements

#### Financial Planning Assumptions

Developing a long-term financial plan requires an understanding of the water utility's financial position by evaluating existing revenue streams, ongoing expenses, how those expenses will change over time, existing debt requirements, and reserve policies. With these considerations, certain assumptions are required for projecting revenues, expenses, and expected ending fund balances. Through discussions with staff and their understanding of historical budget data and future obligations, Table 12 identifies assumptions used for forecasting revenues. Table 13 and Table 14 detail the number of accounts by meter size and the number of fire lines by connection size, respectively, over the Rate Setting Period. Table 15 identifies projected consumption by customer class and tier and Table 16 identifies projected consumption by pumping zone.

Table 12: Water Assumptions for Forecasting Revenues

Revenue Forecasting					
Key Assumptions	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029
Revenue Escalation					
Non-Rate Revenues	3.0%	3.0%	3.0%	3.0%	3.0%
Property Tax	1.0%	1.0%	1.0%	1.0%	1.0%
Reserve Interest	1.5%	1.5%	1.5%	1.5%	1.5%
Account Growth	0.0%	0.0%	0.0%	0.0%	0.0%
Total Meters	27,141	27,141	27,141	27,141	27,141
Total Dedicated Fire Lines	631	631	631	631	631
Total Consumption (HCF)	5,666,216	5,666,216	5,666,216	5,666,216	5,666,216

Table 13: Water Accounts by Meter Size

Accounts by Meter Size Customer Accounts	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029
Single-Family	112025	112020	112021	112020	112025
Meter Size					
≤3/4"	22,254	22,254	22,254	22,254	22,254
1"	2,353	2,353	2,353	2,353	2,353
1 1/2"	165	165	165	165	165
2"	7	7	7	7	-
Subtotal Single-Family	24,779	24,779	24,779	24,779	24,779
Multi-Family					
Meter Size					
≤3/4"	3	3	3	3	3
1"	52	52	52	52	52
1 1/2"	18	18	18	18	18
2"	50	50	50	50	50
4"	1	1	1	1	
6"	28	28	28	28	28
8"	14	14	14	14	1
Subtotal Multi-Family	166	166	166	166	16
Non-Residential					
Meter Size					
≤3/4"	168	168	168	168	16
1"	368	368	368	368	36
1 1/2"	282	282	282	282	28
2"	299	299	299	299	29
4"	2	2	2	2	
6"	2	2	2	2	
8"	2	2	2	2	
Subtotal Non-Residential	1,123	1,123	1,123	1,123	1,123
Irrigation					
Meter Size					
≤3/4"	39	39	39	39	3:
1"	58	58	58	58	5
1 1/2"	86	86	86	86	8
2"	158	158	158	158	15
Subtotal Irrigation	341	341	341	341	34
Affordable Rate Discount					
Meter Size					
≤3/4"	691	691	691	691	69
1"	41	41	41	41	4
Subtotal Affordable Rate Discount	732	732	732	732	73:
Total All Meters	27,141	27,141	27,141	27,141	27,141



Table 14: Dedicated Fire Lines by Connection Size

Accounts by Connection Size	2				
Private Fire Protection	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029
Connection Size					
1"	27	27	27	27	27
1 1/2"	6	6	6	6	6
2"	7	7	7	7	7
4"	20	20	20	20	20
6"	167	167	167	167	167
8"	145	145	145	145	145
10"	86	86	86	86	86
12"	1	1	1	1	1
Private Hydrant	172	172	172	172	172
Total Private Fire Protection	631	631	631	631	631

Table 15: Projected Water Consumption by Customer Class & Tier (HCF)

Projected Consumption					
Customer Class & Tier	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029
Single-Family					
Tier 1	2,152,688	2,152,688	2,152,688	2,152,688	2,152,688
Tier 2	1,553,343	1,553,343	1,553,343	1,553,343	1,553,343
Tier 3	246,299	246,299	246,299	246,299	246,299
Subtotal Single-Family	3,952,330	3,952,330	3,952,330	3,952,330	3,952,330
Multi-Family	664,539	664,539	664,539	664,539	664,539
Non-Residential	650,164	650,164	650,164	650,164	650,164
Irrigation	306,787	306,787	306,787	306,787	306,787
Affordable Rate Discount					
Tier 1	59,993	59,993	59,993	59,993	59,993
Tier 2	30,944	30,944	30,944	30,944	30,944
Tier 3	1,459	1,459	1,459	1,459	1,459
Subtotal Affordable Rate Discount	92,396	92,396	92,396	92,396	92,396
Total Consumption (HCF)	5,666,216	5,666,216	5,666,216	5,666,216	5,666,216

Table 16: Projected Consumption by Pumping Zone (HCF)

Projected Consumption					
Consumption by Pumping Zone	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029
Pumping Zone					
Pump Zone 1	2,622,231	2,622,231	2,622,231	2,622,231	2,622,231
Pump Zone 2	2,438,112	2,438,112	2,438,112	2,438,112	2,438,112
Pump Zone 3	605,874	605,874	605,874	605,874	605,874
Total Consumption (HCF)	5,666,216	5,666,216	5,666,216	5,666,216	5,666,216

Table 17 identifies assumptions used for forecasting increases in expenses over the Rate Setting Period. The Capital and General Costs escalation factors reflect the 5-year average of the Engineering News-Record – Construction Cost Index (ENR CCI) and the Consumer Price Index (CPI), respectively, for the Los Angeles area.

Table 17: Water Assumptions for Forecasting Expense Requirements

Expense Forecasti	ng						
Key Assumptions	Source:		FY 2025	FY 2026	FY 2027	FY 2028	FY 2029
Expenditure Escalation							_
Benefits			7.0%	7.0%	7.0%	7.0%	7.0%
Capital Construction	ENR - LA	5-Year Average	3.9%	3.9%	3.9%	3.9%	3.9%
Energy Costs			5.0%	5.0%	5.0%	5.0%	5.0%
General Costs	CPI - LA (BLS)	5-Year Average	3.9%	3.9%	3.9%	3.9%	3.9%
Retirement			4.0%	4.0%	4.0%	4.0%	4.0%
Salaries			7.2%	7.2%	7.2%	7.2%	7.2%
Potable - Fixed			5.0%	8.3%	8.3%	8.3%	8.3%
Potable - Variable			5.0%	8.3%	8.3%	8.3%	8.3%
Groundwater			2.5%	2.5%	2.5%	2.5%	2.5%



#### **Current Financial Position**

#### Revenues

Based on the forecasting assumptions, fixed revenues were calculated by multiplying the existing fixed charges (Table 8 and Table 9) by accounts by meter size and dedicated fire line connection size and twelve billing periods (Table 13 and Table 14). Variable revenues were calculated using existing commodity rates (Table 10 and Table 11) and projected total water consumption by customer class and pumping zone (Table 15 and Table 16). Table 18 shows the calculated rate revenues through the Rate Setting Period. Table 19 summarizes calculated rate revenues from Table 18 and Operating, Non-operating, and Tax revenues through the Rate Setting Period, with projections rounded to the nearest thousands.



Table 18: Water Calculated Rate Revenues

Calculated Rate Revenue					
Fixed Revenue	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029
Fixed Charge					
Single-Family	\$7,993,172	\$7,993,172	\$7,993,172	\$7,993,172	\$7,993,172
Multi-Family	\$558,234	\$558,234	\$558,234	\$558,234	\$558,234
Non-Residential	\$965,097	\$965,097	\$965,097	\$965,097	\$965,097
Irrigation	\$344,028	\$344,028	\$344,028	\$344,028	\$344,028
Affordable Rate Discount	\$113,982	\$113,982	\$113,982	\$113,982	\$113,982
Total Fixed Charge	\$9,974,512	\$9,974,512	\$9,974,512	\$9,974,512	\$9,974,512
Dedicated Fire Line Charge					
Dedicated Fire Line Charge Revenue	\$645,783	\$645,783	\$645,783	\$645,783	\$645,783
Commodity Revenue	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029
Single-Family					
Tier 1	\$7,749,677	\$7,749,677	\$7,749,677	\$7,749,677	\$7,749,677
Tier 2	\$7,440,513	\$7,440,513	\$7,440,513	\$7,440,513	\$7,440,513
Tier 3	\$1,357,107	\$1,357,107	\$1,357,107	\$1,357,107	\$1,357,107
Single-Family Variable Revenue	\$16,547,297	\$16,547,297	\$16,547,297	\$16,547,297	\$16,547,297
Multi-Family	\$2,724,610	\$2,724,610	\$2,724,610	\$2,724,610	\$2,724,610
Non-Residential	\$2,821,712	\$2,821,712	\$2,821,712	\$2,821,712	\$2,821,712
Irrigation	\$1,331,456	\$1,331,456	\$1,331,456	\$1,331,456	\$1,331,456
Affordable Rate Discount					
Tier 1	\$215,975	\$215,975	\$215,975	\$215,975	\$215,975
Tier 2	\$148,222	\$148,222	\$148,222	\$148,222	\$148,222
Tier 3	\$8,039	\$8,039	\$8,039	\$8,039	\$8,039
Affordable Rate Discount Variable Revenue	\$372,236	\$372,236	\$372,236	\$372,236	\$372,236
Total Commodity Rate Revenue	\$23,797,310	\$23,797,310	\$23,797,310	\$23,797,310	\$23,797,310
Pumping					
Pump Zone 2	\$780,196	\$780,196	\$780,196	\$780,196	\$780,196
Pump Zone 3	\$339,289	\$339,289	\$339,289	\$339,289	\$339,289
Total Pumping Revenue	\$1,119,485	\$1,119,485	\$1,119,485	\$1,119,485	\$1,119,485
Total Rate Revenue	\$35,537,090	\$35,537,090	\$35,537,090	\$35,537,090	\$35,537,090



Table 19: Water Projected Revenues

Projected Revenues					
Revenue Summary	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029
Rate Revenues					
Fixed Charge	\$9,975,000	\$9,975,000	\$9,975,000	\$9,975,000	\$9,975,000
Dedicated Fire Line Charge	\$646,000	\$646,000	\$646,000	\$646,000	\$646,000
Commodity	\$23,797,000	\$23,797,000	\$23,797,000	\$23,797,000	\$23,797,000
Pumping	\$1,119,000	\$1,119,000	\$1,119,000	\$1,119,000	\$1,119,000
Subtotal Rate Revenues	\$35,537,000	\$35,537,000	\$35,537,000	\$35,537,000	\$35,537,000
Operating Revenues	\$1,296,000	\$1,296,000	\$1,296,000	\$1,296,000	\$1,296,000
Non-Operating Revenues	\$656,000	\$659,000	\$661,000	\$664,000	\$667,000
Tax Revenue - General	\$1,230,000	\$1,242,000	\$1,255,000	\$1,267,000	\$1,280,000
Total Revenues	\$38,719,000	\$38,734,000	\$38,749,000	\$38,764,000	\$38,780,000



#### **Expenses**

The FY 2025 budget was used as the baseline expenses of the utility and adjusted in subsequent years based on the escalation factors shown in Table 17. Table 20 and Table 21 provide projected Operational & Maintenance (O&M) costs through the Rate Setting Period, with future projections rounded to the nearest thousands. Each O&M expense category includes detailed line-item expenditures that were discussed with staff to determine the appropriate escalation factor for forecasting how costs will increase over time.



Table 20: Water Projected O&M Expenses

Projected Expenses					
0&M Expenses	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029
Water Supply Costs					
Potable Fixed Water Supply Costs					
Old Baldy - Fixed	\$122,000	\$132,000	\$143,000	\$154,000	\$167,000
LHHCWD	\$2,000	\$2,000	\$2,000	\$2,000	\$2,000
PBWA/CDWC	\$9,000	\$9,000	\$10,000	\$11,000	\$12,000
PWR Surcharge	\$20,000	\$22,000	\$24,000	\$26,000	\$28,000
TVMWD	\$316,000	\$389,000	\$422,000	\$457,000	\$495,000
MWD	\$508,000	\$550,000	\$596,000	\$646,000	\$699,000
Groundwater Supply	\$207,000	\$222,000	\$238,000	\$255,000	\$273,000
Subtotal Potable Fixed Water Supply Costs	\$1,184,000	\$1,326,000	\$1,435,000	\$1,551,000	\$1,676,000
Variable Potable Water Supply Costs					
Old Baldy - Variable	\$178,000	\$310,000	\$335,000	\$363,000	\$393,000
Durward	\$208,000	\$1,021,000	\$1,105,000	\$1,197,000	\$1,296,000
PBWA	\$527,000	\$571,000	\$618,000	\$670,000	\$725,000
MWD Purchased Water Tier I	\$18,120,000	\$18,526,000	\$20,063,000	\$21,728,000	\$23,532,000
TVMWD Surcharges	\$208,000	\$213,000	\$231,000	\$250,000	\$270,000
Subtotal Variable Potable Water Supply Costs	\$19,241,000	\$20,641,000	\$22,352,000	\$24,208,000	\$26,216,000
Total Water Supply Costs	\$20,425,000	\$21,967,000	\$23,787,000	\$25,759,000	\$27,892,000
Operating Expenses					
Operating and Maintenance					
Operations - General (5200)	\$1,115,000	\$1,175,000	\$1,238,000	\$1,305,000	\$1,376,000
Production & Storage (5210)	\$561,000	\$591,000	\$623,000	\$657,000	\$693,000
Water Quality (5220)	\$500,000	\$525,000	¢552,000		
\/ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		\$525,000	\$552,000	\$580,000	\$610,000
Valve Maintenance (5230)	\$446,000	\$475,000	\$552,000	\$580,000 \$539,000	
Valve Maintenance (5230) Field Services (5240)					\$574,000
	\$446,000	\$475,000	\$506,000	\$539,000	\$574,000 \$2,003,000
Field Services (5240)	\$446,000 \$1,623,000	\$475,000 \$1,710,000	\$506,000 \$1,802,000	\$539,000 \$1,900,000	\$574,000 \$2,003,000 \$774,000
Field Services (5240) Customer Service Field (5250)	\$446,000 \$1,623,000 \$600,000	\$475,000 \$1,710,000 \$640,000	\$506,000 \$1,802,000 \$681,000	\$539,000 \$1,900,000 \$726,000	\$574,000 \$2,003,000 \$774,000 \$1,894,000
Field Services (5240) Customer Service Field (5250) Engineering - (5300)	\$446,000 \$1,623,000 \$600,000 \$1,477,000	\$475,000 \$1,710,000 \$640,000 \$1,571,000	\$506,000 \$1,802,000 \$681,000 \$1,672,000	\$539,000 \$1,900,000 \$726,000 \$1,779,000	\$574,000 \$2,003,000 \$774,000 \$1,894,000 \$940,000
Field Services (5240) Customer Service Field (5250) Engineering - (5300) Finance - General (5400)	\$446,000 \$1,623,000 \$600,000 \$1,477,000 \$771,000	\$475,000 \$1,710,000 \$640,000 \$1,571,000 \$810,000	\$506,000 \$1,802,000 \$681,000 \$1,672,000 \$851,000	\$539,000 \$1,900,000 \$726,000 \$1,779,000 \$894,000	\$574,000 \$2,003,000 \$774,000 \$1,894,000 \$940,000 \$1,295,000
Field Services (5240) Customer Service Field (5250) Engineering - (5300) Finance - General (5400) Customer Service (5410)	\$446,000 \$1,623,000 \$600,000 \$1,477,000 \$771,000 \$1,011,000	\$475,000 \$1,710,000 \$640,000 \$1,571,000 \$810,000 \$1,075,000	\$506,000 \$1,802,000 \$681,000 \$1,672,000 \$851,000 \$1,144,000	\$539,000 \$1,900,000 \$726,000 \$1,779,000 \$894,000 \$1,217,000	\$610,000 \$574,000 \$2,003,000 \$774,000 \$1,894,000 \$940,000 \$1,295,000 \$1,034,000 \$1,482,000
Field Services (5240) Customer Service Field (5250) Engineering - (5300) Finance - General (5400) Customer Service (5410) Accounting (5420)	\$446,000 \$1,623,000 \$600,000 \$1,477,000 \$771,000 \$1,011,000 \$800,000	\$475,000 \$1,710,000 \$640,000 \$1,571,000 \$810,000 \$1,075,000 \$853,000	\$506,000 \$1,802,000 \$681,000 \$1,672,000 \$851,000 \$1,144,000 \$910,000	\$539,000 \$1,900,000 \$726,000 \$1,779,000 \$894,000 \$1,217,000 \$970,000	\$574,000 \$2,003,000 \$774,000 \$1,894,000 \$940,000 \$1,295,000 \$1,034,000
Field Services (5240) Customer Service Field (5250) Engineering - (5300) Finance - General (5400) Customer Service (5410) Accounting (5420) Executive Staff (Admin 5510)	\$446,000 \$1,623,000 \$600,000 \$1,477,000 \$771,000 \$1,011,000 \$800,000 \$1,155,000	\$475,000 \$1,710,000 \$640,000 \$1,571,000 \$810,000 \$1,075,000 \$853,000 \$1,229,000	\$506,000 \$1,802,000 \$681,000 \$1,672,000 \$851,000 \$1,144,000 \$910,000 \$1,308,000	\$539,000 \$1,900,000 \$726,000 \$1,779,000 \$894,000 \$1,217,000 \$970,000 \$1,392,000	\$574,000 \$2,003,000 \$774,000 \$1,894,000 \$940,000 \$1,295,000 \$1,034,000 \$1,482,000
Field Services (5240) Customer Service Field (5250) Engineering - (5300) Finance - General (5400) Customer Service (5410) Accounting (5420) Executive Staff (Admin 5510) BOD (5520)	\$446,000 \$1,623,000 \$600,000 \$1,477,000 \$771,000 \$1,011,000 \$800,000 \$1,155,000 \$285,000	\$475,000 \$1,710,000 \$640,000 \$1,571,000 \$810,000 \$1,075,000 \$853,000 \$1,229,000 \$304,000	\$506,000 \$1,802,000 \$681,000 \$1,672,000 \$851,000 \$1,144,000 \$910,000 \$1,308,000 \$324,000	\$539,000 \$1,900,000 \$726,000 \$1,779,000 \$894,000 \$1,217,000 \$970,000 \$1,392,000 \$346,000	\$574,000 \$2,003,000 \$774,000 \$1,894,000 \$940,000 \$1,295,000 \$1,034,000 \$1,482,000 \$369,000
Field Services (5240) Customer Service Field (5250) Engineering - (5300) Finance - General (5400) Customer Service (5410) Accounting (5420) Executive Staff (Admin 5510) BOD (5520) Administrative Support (5530)	\$446,000 \$1,623,000 \$600,000 \$1,477,000 \$771,000 \$1,011,000 \$800,000 \$1,155,000 \$285,000 \$273,000	\$475,000 \$1,710,000 \$640,000 \$1,571,000 \$810,000 \$1,075,000 \$853,000 \$1,229,000 \$304,000 \$291,000	\$506,000 \$1,802,000 \$681,000 \$1,672,000 \$851,000 \$1,144,000 \$910,000 \$1,308,000 \$324,000 \$311,000	\$539,000 \$1,900,000 \$726,000 \$1,779,000 \$894,000 \$1,217,000 \$970,000 \$1,392,000 \$346,000 \$332,000	\$574,000 \$2,003,000 \$774,000 \$1,894,000 \$940,000 \$1,295,000 \$1,034,000 \$1,482,000 \$369,000 \$354,000
Field Services (5240) Customer Service Field (5250) Engineering - (5300) Finance - General (5400) Customer Service (5410) Accounting (5420) Executive Staff (Admin 5510) BOD (5520) Administrative Support (5530) HR/Risk Mgmt. (5610)	\$446,000 \$1,623,000 \$600,000 \$1,477,000 \$771,000 \$1,011,000 \$800,000 \$1,155,000 \$285,000 \$273,000 \$1,034,000	\$475,000 \$1,710,000 \$640,000 \$1,571,000 \$810,000 \$1,075,000 \$853,000 \$1,229,000 \$304,000 \$291,000 \$1,094,000	\$506,000 \$1,802,000 \$681,000 \$1,672,000 \$851,000 \$1,144,000 \$910,000 \$1,308,000 \$324,000 \$311,000 \$1,158,000	\$539,000 \$1,900,000 \$726,000 \$1,779,000 \$894,000 \$1,217,000 \$970,000 \$1,392,000 \$346,000 \$332,000 \$1,225,000	\$574,000 \$2,003,000 \$774,000 \$1,894,000 \$940,000 \$1,295,000 \$1,034,000 \$1,482,000 \$369,000 \$354,000 \$1,297,000
Field Services (5240) Customer Service Field (5250) Engineering - (5300) Finance - General (5400) Customer Service (5410) Accounting (5420) Executive Staff (Admin 5510) BOD (5520) Administrative Support (5530) HR/Risk Mgmt. (5610) IT (5620) Cons. & Public Info. (5630)	\$446,000 \$1,623,000 \$600,000 \$1,477,000 \$771,000 \$1,011,000 \$800,000 \$1,155,000 \$285,000 \$273,000 \$1,034,000 \$893,000 \$1,348,000	\$475,000 \$1,710,000 \$640,000 \$1,571,000 \$810,000 \$1,075,000 \$853,000 \$1,229,000 \$304,000 \$291,000 \$1,094,000 \$939,000 \$1,425,000	\$506,000 \$1,802,000 \$681,000 \$1,672,000 \$851,000 \$1,144,000 \$910,000 \$1,308,000 \$324,000 \$311,000 \$1,158,000 \$988,000 \$1,507,000	\$539,000 \$1,900,000 \$726,000 \$1,779,000 \$894,000 \$1,217,000 \$970,000 \$1,392,000 \$346,000 \$332,000 \$1,225,000 \$1,039,000 \$1,594,000	\$574,000 \$2,003,000 \$774,000 \$1,894,000 \$1,295,000 \$1,034,000 \$1,482,000 \$369,000 \$354,000 \$1,297,000 \$1,093,000 \$1,687,000
Field Services (5240) Customer Service Field (5250) Engineering - (5300) Finance - General (5400) Customer Service (5410) Accounting (5420) Executive Staff (Admin 5510) BOD (5520) Administrative Support (5530) HR/Risk Mgmt. (5610) IT (5620) Cons. & Public Info. (5630) General Services (5640)	\$446,000 \$1,623,000 \$600,000 \$1,477,000 \$771,000 \$1,011,000 \$800,000 \$1,155,000 \$285,000 \$273,000 \$1,034,000 \$893,000 \$1,348,000 \$919,000	\$475,000 \$1,710,000 \$640,000 \$1,571,000 \$810,000 \$1,075,000 \$853,000 \$1,229,000 \$304,000 \$291,000 \$1,094,000 \$939,000 \$1,425,000 \$973,000	\$506,000 \$1,802,000 \$681,000 \$1,672,000 \$851,000 \$1,144,000 \$910,000 \$1,308,000 \$324,000 \$311,000 \$1,158,000 \$988,000	\$539,000 \$1,900,000 \$726,000 \$1,779,000 \$894,000 \$1,217,000 \$970,000 \$1,392,000 \$332,000 \$1,225,000 \$1,039,000 \$1,594,000 \$1,090,000	\$574,000 \$2,003,000 \$774,000 \$1,894,000 \$940,000 \$1,295,000 \$1,482,000 \$369,000 \$354,000 \$1,297,000 \$1,093,000 \$1,687,000 \$1,154,000
Field Services (5240) Customer Service Field (5250) Engineering - (5300) Finance - General (5400) Customer Service (5410) Accounting (5420) Executive Staff (Admin 5510) BOD (5520) Administrative Support (5530) HR/Risk Mgmt. (5610) IT (5620) Cons. & Public Info. (5630) General Services (5640) General Administration (5700)	\$446,000 \$1,623,000 \$600,000 \$1,477,000 \$771,000 \$1,011,000 \$800,000 \$1,155,000 \$285,000 \$273,000 \$1,034,000 \$893,000 \$1,348,000	\$475,000 \$1,710,000 \$640,000 \$1,571,000 \$810,000 \$1,075,000 \$853,000 \$1,229,000 \$304,000 \$291,000 \$1,094,000 \$939,000 \$1,425,000 \$973,000 \$1,419,000	\$506,000 \$1,802,000 \$681,000 \$1,672,000 \$851,000 \$1,144,000 \$910,000 \$1,308,000 \$324,000 \$311,000 \$1,158,000 \$988,000 \$1,507,000 \$1,030,000	\$539,000 \$1,900,000 \$726,000 \$1,779,000 \$894,000 \$1,217,000 \$970,000 \$1,392,000 \$332,000 \$1,225,000 \$1,039,000 \$1,594,000 \$1,594,000 \$1,542,000	\$574,000 \$2,003,000 \$774,000 \$1,894,000 \$940,000 \$1,295,000 \$1,482,000 \$354,000 \$354,000 \$1,297,000 \$1,687,000 \$1,154,000 \$1,608,000
Field Services (5240) Customer Service Field (5250) Engineering - (5300) Finance - General (5400) Customer Service (5410) Accounting (5420) Executive Staff (Admin 5510) BOD (5520) Administrative Support (5530) HR/Risk Mgmt. (5610) IT (5620) Cons. & Public Info. (5630) General Services (5640)	\$446,000 \$1,623,000 \$600,000 \$1,477,000 \$771,000 \$1,011,000 \$800,000 \$1,155,000 \$285,000 \$273,000 \$1,034,000 \$893,000 \$1,348,000 \$919,000 \$1,361,000	\$475,000 \$1,710,000 \$640,000 \$1,571,000 \$810,000 \$1,075,000 \$853,000 \$1,229,000 \$304,000 \$291,000 \$1,094,000 \$939,000 \$1,425,000 \$973,000	\$506,000 \$1,802,000 \$681,000 \$1,672,000 \$851,000 \$1,144,000 \$910,000 \$1,308,000 \$324,000 \$311,000 \$1,158,000 \$988,000 \$1,507,000 \$1,030,000 \$1,479,000	\$539,000 \$1,900,000 \$726,000 \$1,779,000 \$894,000 \$1,217,000 \$970,000 \$1,392,000 \$332,000 \$1,225,000 \$1,039,000 \$1,594,000 \$1,090,000	\$574,000 \$2,003,000 \$774,000 \$1,894,000 \$1,295,000 \$1,034,000 \$1,482,000 \$369,000 \$354,000 \$1,297,000 \$1,093,000 \$1,687,000



Table 21: Water Projected O&M Expenses (Continued)

Projected Expenses					
O&M Expenses	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029
Pump Zone Costs					
Electricity					
Zone 1	\$48,000	\$50,000	\$52,000	\$55,000	\$58,000
Zone 2	\$699,000	\$734,000	\$771,000	\$809,000	\$850,000
Zone 3	\$105,000	\$110,000	\$116,000	\$121,000	\$127,000
Operating and Maintenance					
Zone 1	\$861,000	\$911,000	\$964,000	\$1,020,000	\$1,079,000
Zone 2	\$75,000	\$79,000	\$83,000	\$87,000	\$92,000
Zone 3	\$23,000	\$24,000	\$25,000	\$27,000	\$28,000
Subtotal Pump Zone Costs	\$1,811,000	\$1,908,000	\$2,011,000	\$2,119,000	\$2,234,000
Total Operating Expenses	\$19,008,000	\$20,043,000	\$21,142,000	\$22,304,000	\$23,541,000
Debt Service					
Existing Debt	\$2,575,000	\$3,178,000	\$3,174,000	\$3,176,000	\$3,175,000
Total Expenses	\$42,008,000	\$45,188,000	\$48,103,000	\$51,239,000	\$54,608,000



#### Figure 4: Water Reserves RATE STABILIZATIO **OPERATING** Funding to offset unforeseen Provides ongoing cash for daily increases in O&M or new regulatory operations and expenses of utility. requirements. Also provides funding for rate smoothing over multiple years. **REPLACEMENT** STORED WATER Provides funding for asset repair and refurbishment. Ensures system reinvestment Provides funding for purchases of occurs without delays or deferments. untreated imported water necessary to operate Water Supply Reliability CAPITAL IMPROVEMENT **PROJECT** Projects. Provides funding for the acquisition and Provides funding for components construction of new system assets. Ensures of the projects expected to be

Established reserves include the Operating, Replacement, Capital Improvement, Project, Stored Water, and Rate Stabilization. Reserves help mitigate risks to a utility by ensuring sufficient cash is on hand for daily operations and to fund annual system improvements. Table 22 summarizes the existing minimum reserve requirements and ideal targets of each reserve.

funded through debt issuance.

projects occur without delays or

deferments.

Table 22: Existing Water Reserve Requirements and Targets

Reserve	Minimum Requirement	Reserve Target
Operating	60 Days of Operating	60 Days of Operating
Replacement	5 years of Asset R&R Plan	10 years of Asset R&R Plan
Capital Improvement	\$500,000	\$2,500,000
Stored Water	50% of water purchases (600 AF)	50% of water purchases (600 AF)
Rate Stabilization	125% of Debt Service	200% of Debt Service
Project	None	None

Reserves

#### Reserve Adjustments

The existing reserve requirements were evaluated as part of the financial planning process, and the following adjustments are recommended:

<u>Operating Reserve:</u> The current reserve target is 60 days of operating expenses. An operating reserve covers the daily operational expenses of the utility as well as periodic expenses that do not occur each month, such as debt service payments. The reserve target for an Operating Reserve is a function of the utility's annual expenses and billing frequency. It is recommended and common industry standard for utilities that bill on a monthly basis to set the minimum target at 90 days of operating expenses. As part of this study, the District is adjusting its reserve target from 60 days to 90 days.

**Replacement Reserve:** The current minimum reserve requirement is 5 years of capital spending. A replacement reserve is commonly established to cover at least the current fiscal year's capital spending needs. Annual rate revenue is structured to replenish funds from the replacement reserve. Therefore, the District is reducing its minimum reserve requirement and reserve target to cover the next 2 to 4 years of capital spending. The adjusted funding requirements are based on the five-year average of planned capital, with the minimum requirement equal 2 years of the 5-year average and the target equal 4 years. These new reserve levels will provide an adequate amount of funding to ensure projects are not delayed and provide matching funds for securing any potential grants.

Table 23 summarizes the revised minimum reserve requirements and ideal funding targets.

Table 23: Proposed Water Reserve Requirements and Targets

Reserve	Minimum Requirement	Reserve Target
Operating	60 Days of Operating	90 Days of Operating
Replacement	2 years of 5-year CIP average	4 years of 5-year CIP average
Capital Improvement	\$500,000	\$2,500,000
Stored Water	50% of water purchases (600 AF)	50% of water purchases (600 AF)
Rate Stabilization	125% of Debt Service	200% of Debt Service
Project	None	None

The beginning total water reserve balance for FY 2025 (July 1, 2024), is \$24.2M. The Project Reserve is not included in the total ending reserve balance because the funds in this reserve are designated for specific projects.



#### Financial Outlook at Existing Rates

Calculating revenue using existing rates and projecting expenses helps determine the utility's current financial health. Revenues from current rates are not sufficient to cover operating expenses in FY 2025, and the operating reserve would absorb the shortfall. In addition, capital spending would require using reserves as the primary funding source, which is not sustainable in the long term. Table 24 and Table 25 forecast existing revenues and expenses through the Rate Setting Period. Table 26 identifies reserve transfers and reserve activity, with FY 2025 starting reserve balances shown for each reserve.

Table 24: Water Financial Plan at Existing Rates

Financial Plan at Existing	Rates					
Revenue		FY 2025	FY 2026	FY 2027	FY 2028	FY 2029
Rate Revenues						
Fixed Charge	Table 19	\$9,975,000	\$9,975,000	\$9,975,000	\$9,975,000	\$9,975,000
Dedicated Fire Line Charge		\$646,000	\$646,000	\$646,000	\$646,000	\$646,000
Commodity		\$23,797,000	\$23,797,000	\$23,797,000	\$23,797,000	\$23,797,000
Pumping		\$1,119,000	\$1,119,000	\$1,119,000	\$1,119,000	\$1,119,000
Total Rate Revenues		\$35,537,000	\$35,537,000	\$35,537,000	\$35,537,000	\$35,537,000
Operating Revenues	Table 19	\$1,296,000	\$1,296,000	\$1,296,000	\$1,296,000	\$1,296,000
Non-Operating Revenues		\$656,000	\$659,000	\$661,000	\$664,000	\$667,000
Tax Revenue - General		\$1,230,000	\$1,242,000	\$1,255,000	\$1,267,000	\$1,280,000
Total Revenues		\$38,719,000	\$38,734,000	\$38,749,000	\$38,764,000	\$38,780,000
O&M Expenses		FY 2025	FY 2026	FY 2027	FY 2028	FY 2029
		F1 2023	F1 2020	F1 2021	F1 2020	F1 2023
Water Supply Costs						
Potable Fixed Water Supply Co						
Old Baldy - Fixed	Table 20	\$122,000	\$132,000	\$143,000	\$154,000	\$167,000
LHHCWD		\$2,000	\$2,000	\$2,000	\$2,000	\$2,000
PBWA/CDWC		\$9,000	\$9,000	\$10,000	\$11,000	\$12,000
PWR Surcharge		\$20,000	\$22,000	\$24,000	\$26,000	\$28,000
TVMWD		\$316,000	\$389,000	\$422,000	\$457,000	\$495,000
MWD		\$508,000	\$550,000	\$596,000	\$646,000	\$699,000
Groundwater Supply		\$207,000	\$222,000	\$238,000	\$255,000	\$273,000
Subtotal Potable Fixed Water Sup	pply Costs	\$1,184,000	\$1,326,000	\$1,435,000	\$1,551,000	\$1,676,000
Variable Potable Water Supply	Costs					
Old Baldy - Variable	Table 20	\$178,000	\$310,000	\$335,000	\$363,000	\$393,000
Durward		\$208,000	\$1,021,000	\$1,105,000	\$1,197,000	\$1,296,000
PBWA		\$527,000	\$571,000	\$618,000	\$670,000	\$725,000
MWD Purchased Water Tier		\$18,120,000	\$18,526,000	\$20,063,000	\$21,728,000	\$23,532,000
TVMWD Surcharges		\$208,000	\$213,000	\$231,000	\$250,000	\$270,000
Subtotal Variable Potable Water	Supply Costs	\$19,241,000	\$20,641,000	\$22,352,000	\$24,208,000	\$26,216,000
Total Water Supply Costs		\$20,425,000	\$21,967,000	\$23,787,000	\$25,759,000	\$27,892,000



Table 25: Water Financial Plan at Existing Rates (Continued)

Financial Plan at Existing R	ates					
0&M Expenses		FY 2025	FY 2026	FY 2027	FY 2028	FY 2029
Operating Expenses						
Operating and Maintenance						
Operations - General (5200)	Table 20	\$1,115,000	\$1,175,000	\$1,238,000	\$1,305,000	\$1,376,000
Production & Storage (5210)		\$561,000	\$591,000	\$623,000	\$657,000	\$693,000
Water Quality (5220)		\$500,000	\$525,000	\$552,000	\$580,000	\$610,000
Valve Maintenance (5230)		\$446,000	\$475,000	\$506,000	\$539,000	\$574,000
Field Services (5240)		\$1,623,000	\$1,710,000	\$1,802,000	\$1,900,000	\$2,003,000
Customer Service Field (5250)		\$600,000	\$640,000	\$681,000	\$726,000	\$774,000
Engineering - (5300)		\$1,477,000	\$1,571,000	\$1,672,000	\$1,779,000	\$1,894,000
Finance - General (5400)		\$771,000	\$810,000	\$851,000	\$894,000	\$940,000
Customer Service (5410)		\$1,011,000	\$1,075,000	\$1,144,000	\$1,217,000	\$1,295,000
Accounting (5420)		\$800,000	\$853,000	\$910,000	\$970,000	\$1,034,000
Executive Staff (Admin 5510)		\$1,155,000	\$1,229,000	\$1,308,000	\$1,392,000	\$1,482,000
BOD (5520)		\$285,000	\$304,000	\$324,000	\$346,000	\$369,000
Administrative Support (5530)		\$273,000	\$291,000	\$311,000	\$332,000	\$354,000
HR/Risk Mgmt. (5610)		\$1,034,000	\$1,094,000	\$1,158,000	\$1,225,000	\$1,297,000
IT (5620)		\$893,000	\$939,000	\$988,000	\$1,039,000	\$1,093,000
Cons. & Public Info. (5630)		\$1,348,000	\$1,425,000	\$1,507,000	\$1,594,000	\$1,687,000
General Services (5640)		\$919,000	\$973,000	\$1,030,000	\$1,090,000	\$1,154,000
General Administration (5700)		\$1,361,000	\$1,419,000	\$1,479,000	\$1,542,000	\$1,608,000
Unfunded Liability		\$750,000	\$750,000	\$750,000	\$750,000	\$750,000
Non-Operating Expenses		\$275,000	\$286,000	\$297,000	\$308,000	\$320,000
Subtotal Operating and Maintena	nce	\$17,197,000	\$18,135,000	\$19,131,000	\$20,185,000	\$21,307,000
Pump Zone Costs						
Electricity						
Zone 1	Table 21	\$48,000	\$50,000	\$52,000	\$55,000	\$58,000
Zone 2		\$699,000	\$734,000	\$771,000	\$809,000	\$850,000
Zone 3		\$105,000	\$110,000	\$116,000	\$121,000	\$127,000
Operating and Maintenance						
Zone 1	Table 21	\$861,000	\$911,000	\$964,000	\$1,020,000	\$1,079,000
Zone 2		\$75,000	\$79,000	\$83,000	\$87,000	\$92,000
Zone 3		\$23,000	\$24,000	\$25,000	\$27,000	\$28,000
Subtotal Pump Zone Costs		\$1,811,000	\$1,908,000	\$2,011,000	\$2,119,000	\$2,234,000
Total Operating Expenses		\$19,008,000	\$20,043,000	\$21,142,000	\$22,304,000	\$23,541,000
Debt Service						
Existing Debt	Table 21	\$2,575,000	\$3,178,000	\$3,174,000	\$3,176,000	\$3,175,000
Total Expenses		\$42,008,000	\$45,188,000	\$48,103,000	\$51,239,000	\$54,608,000
Net Operating Income	(Revenues - Expenses)	(\$3,289,000)	(\$6,454,000)	(\$9,354,000)	(\$12,475,000)	(\$15,828,000



Table 26: Water Reserve Activity at Existing Rates

Res	erve Activity at Existing Rates					
Line #		FY 2025	FY 2026	FY 2027	FY 2028	FY 2029
1	Beginning Balance	\$2,737,100	(\$551,900)	(\$7,005,900)	(\$16,359,900)	(\$28,834,900)
2	Transfers (Net Operating Income) Table 25	(\$3,289,000)	(\$6,454,000)	(\$9,354,000)	(\$12,475,000)	(\$15,828,000)
3	Ending Balance	(\$551,900)	(\$7,005,900)	(\$16,359,900)	(\$28,834,900)	(\$44,662,900)
		(+	(4.77	(+,,,	(+==,== :,===)	(+ / / /
	Replacement	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029
4	Beginning Balance	\$15,330,263	\$7,664,406	\$4,834,752	\$803,222	(\$1,383,078)
5	Less:					
6	R&R	(\$6,499,075)	(\$2,922,700)	(\$4,073,500)	(\$2,186,300)	(\$3,051,500)
7	Transfers from/(to) Capital Improvement	(\$1,337,958)	\$0	\$0	\$0	\$0
8	Subtotal Replacement	\$7,493,230	\$4,741,706	\$761,252	(\$1,383,078)	(\$4,434,578)
9	Interest Earnings	\$171,176	\$93,046	\$41,970	\$0	\$0
10	Ending Balance	\$7,664,406	\$4,834,752	\$803,222	(\$1,383,078)	(\$4,434,578)
	Capital Improvement	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029
11	Beginning Balance	\$1,557,988	\$2,425,601	\$1,958,235	\$476,358	(\$43,300)
12	Transfers from/(to) Replacement Line 7	\$1,337,958	\$0	\$0	\$0	\$0
13	Sources & Uses					
14	Remaining Proceeds - Capital Improvement	\$25,000,000	\$2,000,000	\$6,000,000	\$0	\$0
15	Less:					
16	CIP	(\$25,500,000)	(\$2,500,000)	(\$7,500,000)	(\$519,658)	(\$540,090)
17	Subtotal Subtotal Replacement	\$2,395,946	\$1,925,601	\$458,235	(\$43,300)	(\$583,389)
18	Interest Earnings	\$29,655	\$32,634	\$18,124	\$0	\$0
19	Ending Balance	\$2,425,601	\$1,958,235	\$476,358	(\$43,300)	(\$583,389)
	Stored Water	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029
20	Beginning Balance	\$125,500	\$125,500	\$125,500	\$125,500	\$125,500
21	Ending Balance	\$125,500	\$125,500	\$125,500	\$125,500	\$125,500
	Rate Stabilization	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029
22	Beginning Balance	\$4,543,125	\$4,543,125	\$4,543,125	\$4,543,125	\$4,543,125
23	Ending Balance	\$4,543,125	\$4,543,125	\$4,543,125	\$4,543,125	\$4,543,125
	Project	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029
24	Beginning Balance	\$967,232	\$967,232	\$967,232	\$967,232	\$967,232
25	Ending Balance	\$967,232	\$967,232	\$967,232	\$967,232	\$967,232
26	Total Ending Balance	\$15,173,964	\$5,422,944	(\$9,444,462)	(\$24,625,421)	(\$44,045,010)
27	Total Ending Balance - Less Project Reserve	\$14,206,732	\$4,455,712	(\$10,411,694)	(\$25,592,653)	(\$45,012,242)

Figure 5 illustrates the utility's operating position. O&M expenses are identified with the dashed red trendline, and the horizontal black trendline shows total revenues at existing rates. The bars represent the net operating income, with grey bars reflecting positive net income for capital spending and reserve funding and red bars reflecting an operating deficit absorbed by reserves.



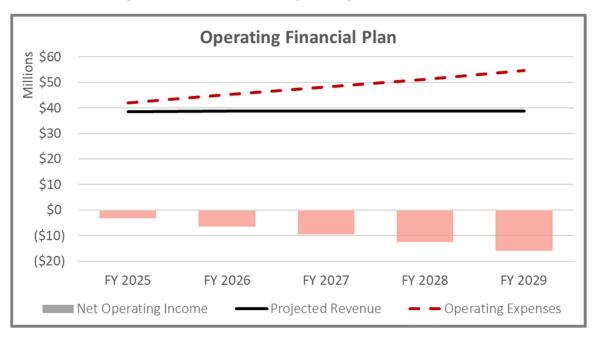


Figure 5: Water Current Operating Financial Position

Capital spending over the Rate Setting Period is approximately \$55.3M, as shown in Figure 2. The Project Reserve balance is not included in this figure as it has no minimum requirement or reserve target (as shown in Table 23) and the funds in this reserve are designated for specific projects not included in the financial plan. Without increases in rate revenue, the water utility would not meet its minimum target in FY 2026. By FY 2027, reserves would be depleted, and funding would not be available for the CIP. Figure 6 reflects the projected ending balances of reserves after funding operating and capital projects.

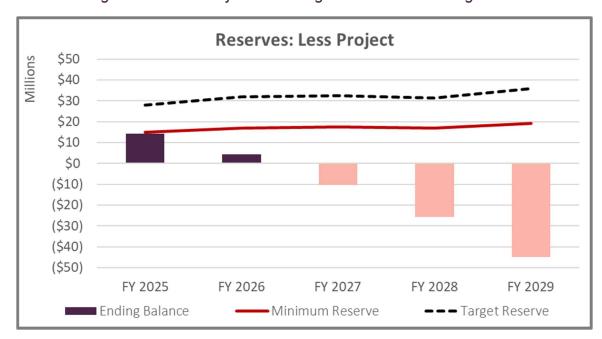


Figure 6: Water Projected Ending Reserves at Existing Rates

### **Proposed Financial Plan – Water Utility**

Based on our review of the utility's financial outlook at existing rates, a proposed financial plan was developed to fund the multi-year revenue requirements. The proposed financial plan increases rate revenue each year to generate approximately \$26.1M in additional rate revenue by the end of FY 2029. Table 27 and Table 28 forecasts projected revenues, *with annual revenue adjustments*, and expenses through FY 2029. Table 29 identifies the projected FY 2025 total starting reserve balances, activity within each reserve (including net operating income transfer from Table 28, transfers between reserves, and annual CIP), and projected ending balances for each fiscal year of the Rate Setting Period. By FY 2029, rate revenues will be sufficient to fund the reserves above the minimum requirement.



Table 27: Water Proposed Financial Plan

Proposed Fir	ıancı <u>aı Plar</u>							
Revenue				FY 2025	FY 2026	FY 2027	FY 2028	FY 2029
Rate Revenues								
Fixed Charge		Table 19	\$9,975,000	\$9,975,000	\$9,975,000	\$9,975,000	\$9,975,000	
Dedicated Fire	Line Charge			\$646,000	\$646,000	\$646,000	\$646,000	\$646,000
Commodity	J			\$23,797,000	\$23,797,000	\$23,797,000	\$23,797,000	\$23,797,000
Pumping				\$1,119,000	\$1,119,000	\$1,119,000	\$1,119,000	\$1,119,000
Total Rate Rever	nues			\$35,537,000	\$35,537,000	\$35,537,000	\$35,537,000	\$35,537,000
Additional Rever	nue (from reve	nue adjustr	nents):					
	Revenue	Effective						
Fiscal Year	Adjustment	Month						
FY 2025	13.0%	January		\$2,309,000	\$4,619,000	\$4,619,000	\$4,619,000	\$4,619,000
FY 2026	13.0%	January			\$2,610,000	\$5,220,000	\$5,220,000	\$5,220,000
FY 2027	13.0%	January				\$2,949,000	\$5,898,000	\$5,898,000
FY 2028	13.0%	January					\$3,332,000	\$6,665,000
FY 2029	13.0%	January						\$3,766,000
Total Additional Revenue			\$2,309,000	\$7,229,000	\$12,788,000	\$19,069,000	\$26,168,000	
Projected Rate Revenue (including revenue adjustments)		\$37,846,000	\$42,766,000	\$48,325,000	\$54,606,000	\$61,705,000		
Operating Rever	iues		Table 19	\$1,296,000	\$1,296,000	\$1,296,000	\$1,296,000	\$1,296,000
Non-Operating Revenues			\$656,000	\$659,000	\$661,000	\$664,000	\$667,000	
Tax Revenue - General		\$1,230,000	\$1,242,000	\$1,255,000	\$1,267,000	\$1,280,000		
Total Revenue	S			\$41,028,000	\$45,963,000	\$51,537,000	\$57,833,000	\$64,948,000
<b>O&amp;M Expenses</b>	5			FY 2025	FY 2026	FY 2027	FY 2028	FY 2029
O&M Expenses Water Supply Co				FY 2025	FY 2026	FY 2027	FY 2028	FY 2029
	sts	osts		FY 2025	FY 2026	FY 2027	FY 2028	FY 2029
Water Supply Co	sts Water Supply C	osts	Table 20	\$122,000	FY 2026 \$132,000	\$143,000	\$154,000	<b>FY 2029</b> \$167,000
Water Supply Co Potable Fixed \	sts Water Supply C	osts	Table 20					
Water Supply Co Potable Fixed \ Old Baldy - F	sts <b>Vater Supply C</b> ixed	osts	Table 20	\$122,000	\$132,000	\$143,000	\$154,000	\$167,000
Water Supply Co Potable Fixed \ Old Baldy - F LHHCWD PBWA/CDWG PWR Surchar	sts Water Supply C ixed	osts	Table 20	\$122,000 \$2,000	\$132,000 \$2,000	\$143,000 \$2,000	\$154,000 \$2,000	\$167,000 \$2,000
Water Supply Co Potable Fixed V Old Baldy - F LHHCWD PBWA/CDWG	sts Water Supply C ixed	osts	Table 20	\$122,000 \$2,000 \$9,000	\$132,000 \$2,000 \$9,000	\$143,000 \$2,000 \$10,000	\$154,000 \$2,000 \$11,000	\$167,000 \$2,000 \$12,000
Water Supply Co Potable Fixed \ Old Baldy - F LHHCWD PBWA/CDWG PWR Surchar	sts Water Supply C ixed	osts	Table 20	\$122,000 \$2,000 \$9,000 \$20,000 \$316,000 \$508,000	\$132,000 \$2,000 \$9,000 \$22,000	\$143,000 \$2,000 \$10,000 \$24,000	\$154,000 \$2,000 \$11,000 \$26,000	\$167,000 \$2,000 \$12,000 \$28,000
Water Supply Co Potable Fixed V Old Baldy - F LHHCWD PBWA/CDWG PWR Surchar TVMWD MWD Groundwater	sts Water Supply C ixed ge			\$122,000 \$2,000 \$9,000 \$20,000 \$316,000	\$132,000 \$2,000 \$9,000 \$22,000 \$389,000	\$143,000 \$2,000 \$10,000 \$24,000 \$422,000	\$154,000 \$2,000 \$11,000 \$26,000 \$457,000	\$167,000 \$2,000 \$12,000 \$28,000 \$495,000
Water Supply Co Potable Fixed V Old Baldy - F LHHCWD PBWA/CDWG PWR Surchar TVMWD MWD	sts Water Supply C ixed ge			\$122,000 \$2,000 \$9,000 \$20,000 \$316,000 \$508,000	\$132,000 \$2,000 \$9,000 \$22,000 \$389,000 \$550,000	\$143,000 \$2,000 \$10,000 \$24,000 \$422,000 \$596,000	\$154,000 \$2,000 \$11,000 \$26,000 \$457,000 \$646,000	\$167,000 \$2,000 \$12,000 \$28,000 \$495,000 \$699,000
Water Supply Co Potable Fixed \( \) Old Baldy - F LHHCWD PBWA/CDWG PWR Surchar TVMWD MWD Groundwater Subtotal Potable	sts Water Supply C ixed  Supply Supply Fixed Water S  Ie Water Suppl	upply Costs		\$122,000 \$2,000 \$9,000 \$20,000 \$316,000 \$508,000 \$207,000	\$132,000 \$2,000 \$9,000 \$22,000 \$389,000 \$550,000 \$222,000	\$143,000 \$2,000 \$10,000 \$24,000 \$422,000 \$596,000 \$238,000	\$154,000 \$2,000 \$11,000 \$26,000 \$457,000 \$646,000 \$255,000	\$167,000 \$2,000 \$12,000 \$28,000 \$495,000 \$699,000 \$273,000
Water Supply Co Potable Fixed \( \) Old Baldy - F LHHCWD PBWA/CDWG PWR Surchar TVMWD MWD Groundwater Subtotal Potable	sts Water Supply C ixed  Supply Supply Fixed Water S  Ie Water Suppl	upply Costs		\$122,000 \$2,000 \$9,000 \$20,000 \$316,000 \$508,000 \$207,000 \$1,184,000	\$132,000 \$2,000 \$9,000 \$22,000 \$389,000 \$550,000 \$222,000	\$143,000 \$2,000 \$10,000 \$24,000 \$422,000 \$596,000 \$238,000	\$154,000 \$2,000 \$11,000 \$26,000 \$457,000 \$646,000 \$255,000	\$167,000 \$2,000 \$12,000 \$28,000 \$495,000 \$699,000 \$273,000
Water Supply Co Potable Fixed \( \) Old Baldy - F LHHCWD PBWA/CDWG PWR Surchar TVMWD MWD Groundwater Subtotal Potable	sts Water Supply C ixed  Supply Supply Fixed Water S  Ie Water Suppl	upply Costs		\$122,000 \$2,000 \$9,000 \$20,000 \$316,000 \$508,000 \$207,000 \$1,184,000	\$132,000 \$2,000 \$9,000 \$22,000 \$389,000 \$550,000 \$222,000 \$1,326,000	\$143,000 \$2,000 \$10,000 \$24,000 \$422,000 \$596,000 \$238,000 \$1,435,000	\$154,000 \$2,000 \$11,000 \$26,000 \$457,000 \$646,000 \$255,000 \$1,551,000	\$167,000 \$2,000 \$12,000 \$28,000 \$495,000 \$699,000 \$273,000 \$1,676,000
Water Supply Co Potable Fixed V Old Baldy - F LHHCWD PBWA/CDWG PWR Surchar TVMWD MWD Groundwater Subtotal Potable Variable Potab Old Baldy - V	sts Water Supply C ixed  Supply Supply Fixed Water S  Ie Water Suppl	upply Costs		\$122,000 \$2,000 \$9,000 \$20,000 \$316,000 \$508,000 \$207,000 \$1,184,000	\$132,000 \$2,000 \$9,000 \$22,000 \$389,000 \$550,000 \$222,000 \$1,326,000	\$143,000 \$2,000 \$10,000 \$24,000 \$422,000 \$596,000 \$238,000 \$1,435,000	\$154,000 \$2,000 \$11,000 \$26,000 \$457,000 \$646,000 \$255,000 \$1,551,000	\$167,000 \$2,000 \$12,000 \$28,000 \$495,000 \$699,000 \$273,000 \$1,676,000
Water Supply Co Potable Fixed V Old Baldy - F LHHCWD PBWA/CDWG PWR Surchar TVMWD MWD Groundwater Subtotal Potable Variable Potab Old Baldy - V Durward PBWA	sts Water Supply C ixed  Supply Supply Fixed Water S  Ie Water Suppl	upply Costs <b>y Costs</b>		\$122,000 \$2,000 \$9,000 \$20,000 \$316,000 \$508,000 \$207,000 \$1,184,000 \$178,000 \$208,000	\$132,000 \$2,000 \$9,000 \$22,000 \$389,000 \$550,000 \$222,000 \$1,326,000 \$310,000 \$1,021,000	\$143,000 \$2,000 \$10,000 \$24,000 \$422,000 \$596,000 \$238,000 \$1,435,000 \$335,000 \$1,105,000	\$154,000 \$2,000 \$11,000 \$26,000 \$457,000 \$646,000 \$255,000 \$1,551,000 \$363,000 \$1,197,000	\$167,000 \$2,000 \$12,000 \$28,000 \$495,000 \$699,000 \$273,000 \$1,676,000 \$393,000 \$1,296,000
Water Supply Co Potable Fixed V Old Baldy - F LHHCWD PBWA/CDWG PWR Surchar TVMWD MWD Groundwater Subtotal Potable Variable Potab Old Baldy - V Durward PBWA	sts Water Supply C ixed  G ge Supply Fixed Water S le Water Suppl ariable	upply Costs <b>y Costs</b>		\$122,000 \$2,000 \$9,000 \$20,000 \$316,000 \$508,000 \$207,000 \$1,184,000 \$178,000 \$208,000 \$527,000	\$132,000 \$2,000 \$9,000 \$22,000 \$389,000 \$550,000 \$222,000 \$1,326,000 \$1,000 \$1,021,000 \$571,000	\$143,000 \$2,000 \$10,000 \$24,000 \$422,000 \$596,000 \$238,000 \$1,435,000 \$1,105,000 \$618,000	\$154,000 \$2,000 \$11,000 \$26,000 \$457,000 \$646,000 \$255,000 \$1,551,000 \$1,197,000 \$670,000	\$167,000 \$2,000 \$12,000 \$28,000 \$495,000 \$273,000 \$1,676,000 \$393,000 \$1,296,000 \$725,000
Water Supply Co Potable Fixed V Old Baldy - F LHHCWD PBWA/CDWG PWR Surchar TVMWD MWD Groundwater Subtotal Potable Variable Potab Old Baldy - V Durward PBWA MWD Purcha	sts Water Supply C ixed  Supply Fixed Water S le Water Suppl ariable  ased Water Tie	upply Costs <b>y Costs</b> er I	Table 20	\$122,000 \$2,000 \$9,000 \$20,000 \$316,000 \$508,000 \$207,000 \$1,184,000 \$208,000 \$527,000 \$18,120,000	\$132,000 \$2,000 \$9,000 \$22,000 \$389,000 \$550,000 \$222,000 \$1,326,000 \$1,021,000 \$1,021,000 \$18,526,000	\$143,000 \$2,000 \$10,000 \$24,000 \$422,000 \$596,000 \$238,000 \$1,435,000 \$1,105,000 \$618,000 \$20,063,000	\$154,000 \$2,000 \$11,000 \$26,000 \$457,000 \$646,000 \$255,000 \$1,551,000 \$1,197,000 \$670,000 \$21,728,000	\$167,000 \$2,000 \$12,000 \$28,000 \$495,000 \$699,000 \$273,000 \$1,676,000 \$1,296,000 \$725,000 \$23,532,000
Water Supply Co Potable Fixed N Old Baldy - F LHHCWD PBWA/CDWG PWR Surchar TVMWD MWD Groundwater Subtotal Potable Variable Potab Old Baldy - V Durward PBWA MWD Purchar TVMWD Surchar	sts Water Supply C ixed  Supply Fixed Water S le Water Suppl ariable ased Water Tiecharges e Potable Water	upply Costs <b>y Costs</b> er I	Table 20	\$122,000 \$2,000 \$9,000 \$20,000 \$316,000 \$508,000 \$207,000 \$1,184,000 \$208,000 \$527,000 \$18,120,000 \$208,000	\$132,000 \$2,000 \$9,000 \$22,000 \$389,000 \$550,000 \$222,000 \$1,326,000 \$1,021,000 \$571,000 \$18,526,000 \$213,000	\$143,000 \$2,000 \$10,000 \$24,000 \$422,000 \$596,000 \$238,000 \$1,435,000 \$1,105,000 \$618,000 \$20,063,000 \$231,000	\$154,000 \$2,000 \$11,000 \$26,000 \$457,000 \$646,000 \$255,000 \$1,551,000 \$1,197,000 \$670,000 \$21,728,000 \$250,000	\$167,000 \$2,000 \$12,000 \$28,000 \$495,000 \$699,000 \$273,000 \$1,676,000 \$1,296,000 \$725,000 \$23,532,000 \$270,000



Table 28: Water Proposed Financial Plan (Continued)

Operating Expenses         Operating and Maintenance         Operating of Maintenance         Operating of Maintenance         Operating of Maintenance         Selection of Selecting Selecting of Selecting of Selecting Sele	Proposed Financial Plan  O&M Expenses		FY 2025	FY 2026	FY 2027	FY 2028	FY 2029
Operating and Maintenance         Operating - Operations - General (5200)         Table 20         \$1,115,000         \$1,275,000         \$1,238,000         \$1,305,000         \$1,376,00           Operations - General (5200)         \$561,000         \$591,000         \$623,000         \$667,000         \$693,00           Water Quality (5220)         \$500,000         \$555,000         \$580,000         \$550,000         \$580,000         \$500,000			F1 2023	F1 2020	F1 2U21	F1 2U20	F1 2029
Operations - General (5200)         Table 20         \$1,115,000         \$1,175,000         \$1,335,000         \$1,335,000         \$1,376,000           Production & Storage (5210)         \$561,000         \$591,000         \$523,000         \$563,000         \$633,000         \$633,000         \$633,000         \$635,000         \$563,000         \$563,000         \$550,000         \$583,000         \$633,000         \$630,000         \$574,000         \$508,000         \$574,000         \$574,000         \$574,000         \$574,000         \$574,000         \$574,000         \$574,000         \$574,000         \$5774,000         \$51,802,000         \$5774,000         \$5774,000         \$51,802,000         \$5774,000         \$51,802,000         \$5774,000         \$5774,000         \$51,802,000         \$5774,000         \$51,802,000         \$5774,000         \$51,802,000         \$5774,000         \$51,802,000         \$5774,000         \$51,802,000         \$5774,000         \$51,802,000         \$5774,000         \$51,802,000         \$5774,000         \$51,802,000         \$5774,000         \$51,802,000         \$5774,000         \$51,802,000         \$5774,000         \$51,802,000         \$51,802,000         \$51,802,000         \$51,802,000         \$51,802,000         \$51,802,000         \$51,802,000         \$51,802,000         \$51,802,000         \$51,802,000         \$51,802,000	, , ,						
Production & Storage (5210)   \$561,000   \$563,000   \$663,000   \$683,000   \$683,000   \$683,000   \$683,000   \$683,000   \$683,000   \$683,000   \$683,000   \$683,000   \$683,000   \$684,000   \$		Table 20	¢1 115 000	\$1.175.000	\$1 229 000	\$1.205.000	¢1 276 000
Water Quality (5220)         \$550,000         \$555,000         \$580,000         \$610,000           Valve Maintenance (5230)         \$446,000         \$475,000         \$550,000         \$539,000         \$574,00           Field Services (5240)         \$1,623,000         \$1,710,000         \$1,802,000         \$1,900,000         \$20,03,00           Customer Service Field (5250)         \$600,000         \$640,000         \$681,000         \$777,000         \$1,877,000         \$1,672,000         \$1,779,000         \$1,994,000           Finance - General (5400)         \$777,100         \$1,075,000         \$1,144,000         \$1,217,000         \$1,295,000         \$1,247,000         \$1,295,000         \$280,000         \$851,000         \$970,000         \$1,295,000         \$1,240,000         \$1,297,000         \$1,294,000         \$1,297,000         \$1,294,000         \$1,297,000         \$1,294,000         \$1,297,000         \$1,304,000         \$1,297,000         \$1,304,000         \$1,297,000         \$1,304,000         \$1,297,000         \$1,304,000         \$1,297,000         \$1,304,000         \$1,300,000         \$334,000         \$334,000         \$334,000         \$334,000         \$346,000         \$354,000         \$1,297,000         \$1,225,000         \$1,297,000         \$1,297,000         \$1,297,000         \$1,297,000         \$1,297,000		Table 20					
Valve Maintenance (5230)         \$446,000         \$475,000         \$506,000         \$539,000         \$574,00           Field Services (5240)         \$1,623,000         \$1,710,000         \$1,802,000         \$1,902,000         \$2,003,00         \$2,003,00         \$2,003,00         \$2,003,00         \$1,902,000         \$2,003,00         \$2,003,00         \$1,902,000         \$1,972,000         \$1,972,000         \$1,972,000         \$1,894,00         \$1,972,000         \$1,894,00         \$1,972,000         \$1,894,00         \$1,972,000         \$1,894,00         \$1,972,000         \$1,295,00         \$1,295,00         \$1,295,00         \$1,295,00         \$1,295,00         \$1,295,00         \$1,295,00         \$1,295,00         \$1,295,00         \$1,295,00         \$1,295,00         \$1,295,00         \$1,295,00         \$1,295,00         \$1,295,00         \$1,295,00         \$1,308,000         \$910,000         \$970,000         \$1,034,00         \$1,295,00         \$1,034,00         \$1,295,00         \$1,034,00         \$1,295,000         \$1,034,00         \$1,482,00         \$1,295,00         \$1,482,00         \$1,295,00         \$1,295,00         \$1,295,00         \$1,295,00         \$1,295,00         \$1,295,00         \$1,295,00         \$1,295,00         \$1,295,00         \$1,295,00         \$1,295,00         \$1,295,00         \$1,295,00         \$1,295,00 <td< td=""><td></td><td></td><td></td><td>. ,</td><td></td><td>. ,</td><td></td></td<>				. ,		. ,	
Field Services (5240)							
Customer Service Field (5250)         \$600,000         \$640,000         \$681,000         \$774,000           Engineering (\$300)         \$1,477,000         \$1,672,000         \$1,779,000         \$1,894,00           Finance - General (\$400)         \$771,000         \$810,000         \$894,000         \$984,000           Customer Service (\$410)         \$1,011,000         \$1,075,000         \$1,144,000         \$1,217,000         \$1,295,000           Executive Staff (Admin 5510)         \$1,155,000         \$1,229,000         \$31,308,000         \$1,392,000         \$1,482,000         \$324,000         \$346,000         \$369,00           Administrative Support (\$530)         \$278,000         \$291,000         \$311,000         \$332,000         \$354,000         \$1,225,000         \$332,000         \$354,000         \$369,00         \$31,00         \$31,00         \$31,00         \$31,00         \$31,00         \$31,00	, ,						
Engineering - (5300)	, ,						
Finance - General (5400) \$771,000 \$810,000 \$851,000 \$894,000 \$940,000 \$1,015,000 \$1,015,000 \$1,015,000 \$1,015,000 \$1,217,000 \$1,225,000 \$1,225,000 \$1,225,000 \$1,034,000 \$1,000 \$							
Customer Service (5410)         \$1,011,000         \$1,075,000         \$1,144,000         \$1,217,000         \$1,295,00           Accounting (5420)         \$800,000         \$8853,000         \$910,000         \$970,000         \$1,034,00           BOD (5520)         \$285,000         \$324,000         \$346,000         \$346,000         \$369,00           Administrative Support (5530)         \$273,000         \$291,000         \$311,000         \$332,000         \$354,000           HR/Risk Mgmt. (5610)         \$1,034,000         \$1,094,000         \$1,158,000         \$1,225,000         \$1,297,00           IT (5620)         \$893,000         \$939,000         \$988,000         \$1,039,000         \$1,093,00           Cons. & Public Info. (5630)         \$1,348,000         \$1,425,000         \$1,507,000         \$1,594,000         \$1,693,00           General Administration (5700)         \$1,361,000         \$1,419,000         \$1,479,000         \$1,594,000         \$1,688,00           Unfunded Liability         \$750,000         \$750,000         \$750,000         \$750,000         \$750,000         \$750,000         \$750,000         \$750,000         \$750,000         \$750,000         \$750,000         \$750,000         \$750,000         \$750,000         \$750,000         \$750,000         \$750,000         \$750,	0 0 1 7		. , ,	. , ,	. , ,	. , ,	. , ,
Accounting (5420) Executive Staff (Admin 5510) Executive Staff (Admin 5510	, ,						
Executive Staff (Admin 5510)   \$1,155,000   \$1,229,000   \$1,308,000   \$1,392,000   \$346,000   \$369,00	, ,			. , ,			
BOD (5520)         \$285,000         \$304,000         \$324,000         \$346,000         \$369,00           Administrative Support (5530)         \$273,000         \$291,000         \$311,000         \$332,000         \$354,00           HR/Risk Mgmt. (5610)         \$1,034,000         \$1,094,000         \$1,158,000         \$1,225,000         \$1,297,000           Cons. & Public Info. (5630)         \$893,000         \$939,000         \$988,000         \$1,094,000         \$1,687,000           General Services (5640)         \$919,000         \$973,000         \$1,030,000         \$1,594,000         \$1,687,00           General Administration (5700)         \$1,361,000         \$1,419,000         \$1,750,000         \$750,000	= : :						
Administrative Support (5530)         \$273,000         \$291,000         \$311,000         \$332,000         \$354,000           HR/Risk Mgmt. (5610)         \$1,034,000         \$1,094,000         \$1,158,000         \$1,225,000         \$1,297,00           IT (5620)         \$893,000         \$938,000         \$1,593,000         \$1,039,000         \$1,039,000         \$1,039,000         \$1,039,000         \$1,039,000         \$1,039,000         \$1,039,000         \$1,039,000         \$1,039,000         \$1,687,00         \$1,687,00         \$1,597,000         \$1,597,000         \$1,597,000         \$1,687,00         \$1,687,00         \$1,687,00         \$1,687,00         \$1,699,000         \$1,030,000         \$1,594,000         \$1,687,00         \$1,688,00         \$1,049,00         \$1,687,00         \$1,687,00         \$1,687,00         <				. , ,	. , ,		
HR/Risk Mgmt. (5610)	, ,						
Tr (5620)							
Cons. & Public Info. (5630)         \$1,348,000         \$1,425,000         \$1,594,000         \$1,687,00           General Services (5640)         \$919,000         \$973,000         \$1,030,000         \$1,090,000         \$1,154,00           General Administration (5700)         \$1,361,000         \$1,419,000         \$1,479,000         \$1,542,000         \$1,608,00           Unfunded Liability         \$750,000         \$700,000							
General Services (5640)         \$919,000         \$973,000         \$1,030,000         \$1,154,000           General Administration (5700)         \$1,361,000         \$1,419,000         \$1,479,000         \$1,542,000         \$1,608,00           Unfunded Liability         \$750,000         \$20,185,000         \$21,307,00         \$20,000         \$20,185,000         \$21,307,00         \$20,000         \$20,185,000         \$21,307,00         \$20,000         \$20,185,000         \$21,307,00         \$20,000         \$20,185,000         \$20,185,000         \$20,185,000         \$20,185,000         \$20,185,000         \$20,185,000         \$20,185,000         \$20,185,000         \$20,185,000         \$20,185,000         \$20,185,000         \$20,185,000         \$20,185,000         \$20,185,000         \$20,185,000         \$20,185,000         \$20,100	•		\$893,000	\$939,000			\$1,093,000
General Administration (5700)         \$1,361,000         \$1,419,000         \$1,479,000         \$1,542,000         \$1,608,00           Unfunded Liability         \$750,000         \$771,000         \$809,000         \$850,000         \$770,000         \$771,000         \$809,000         \$850,000         \$770,000         \$771,000         \$809,000         \$850,000         \$770,000         \$771,000         \$809,000         \$127,000         \$770,000         \$770,000         \$770,000         \$770,000         \$770,000         \$770,000         \$770,000         \$770,000			. , ,		. , ,		\$1,687,000
Unfunded Liability Non-Operating Expenses         \$750,000 \$750,000 \$750,000 \$750,000 \$750,000 \$308,000 \$320,000 \$3	General Services (5640)		\$919,000	\$973,000	\$1,030,000		\$1,154,000
Non-Operating Expenses         \$275,000         \$286,000         \$297,000         \$303,000         \$320,000           Subtotal Operating and Maintenance         \$17,197,000         \$18,135,000         \$19,131,000         \$20,185,000         \$21,307,00           Pump Zone Costs           Electricity           Zone 1         Table 21         \$48,000         \$50,000         \$52,000         \$55,000         \$58,000           Zone 2         \$699,000         \$734,000         \$771,000         \$809,000         \$850,000           Zone 3         \$105,000         \$110,000         \$116,000         \$127,000         \$127,000           Operating and Maintenance         \$105,000         \$911,000         \$964,000         \$1,020,000         \$1,079,00           Zone 1         Table 21         \$861,000         \$911,000         \$964,000         \$1,020,000         \$1,079,00           Zone 2         \$75,000         \$79,000         \$83,000         \$87,000         \$92,00           Zone 3         \$23,000         \$24,000         \$25,000         \$27,000         \$28,00           Zone 2         \$75,000         \$79,000         \$83,000         \$27,000         \$28,00           Subtotal Pump Zone Costs         \$1,811,000	General Administration (5700)		\$1,361,000	\$1,419,000	\$1,479,000	\$1,542,000	\$1,608,000
Subtotal Operating and Maintenance         \$17,197,000         \$18,135,000         \$19,131,000         \$20,185,000         \$21,307,00           Pump Zone Costs           Electricity         Zone 1         Table 21         \$48,000         \$50,000         \$52,000         \$55,000         \$58,000           Zone 2         \$699,000         \$734,000         \$771,000         \$809,000         \$850,00           Zone 3         \$105,000         \$110,000         \$116,000         \$121,000         \$127,00           Operating and Maintenance         \$105,000         \$911,000         \$964,000         \$1,020,000         \$1,079,00           Zone 1         Table 21         \$861,000         \$991,000         \$83,000         \$87,000         \$92,00           Zone 2         \$75,000         \$79,000         \$83,000         \$87,000         \$92,00           Zone 3         \$23,000         \$24,000         \$25,000         \$27,000         \$28,00           Subtotal Pump Zone Costs         \$1,811,000         \$1,908,000         \$2,011,000         \$2,119,000         \$2,234,00           Total Operating Expenses         \$19,008,000         \$20,043,000         \$21,142,000         \$22,304,000         \$23,541,00           Debt Service         Existing Debt	Unfunded Liability			\$750,000			\$750,000
Pump Zone Costs         Electricity       Zone 1       Table 21       \$48,000       \$50,000       \$52,000       \$55,000       \$58,00         Zone 2       \$699,000       \$734,000       \$771,000       \$809,000       \$850,00         Zone 3       \$105,000       \$110,000       \$116,000       \$121,000       \$127,00         Operating and Maintenance         Zone 1       \$861,000       \$911,000       \$964,000       \$1,020,000       \$1,079,00         Zone 2       \$75,000       \$79,000       \$83,000       \$87,000       \$92,00         Zone 3       \$23,000       \$24,000       \$25,000       \$27,000       \$28,00         Subtotal Pump Zone Costs       \$1,811,000       \$1,908,000       \$2,011,000       \$2,119,000       \$2,234,00         Total Operating Expenses       \$19,008,000       \$20,043,000       \$21,142,000       \$22,304,000       \$23,541,00         Debt Service       Existing Debt       Table 21       \$2,575,000       \$3,178,000       \$3,174,000       \$3,176,000       \$34,608,000         Total Expenses       \$42,008,000       \$45,188,000       \$48,103,000       \$51,239,000       \$54,608,000	Non-Operating Expenses		\$275,000	\$286,000	\$297,000	\$308,000	\$320,000
Table 21   \$48,000   \$50,000   \$52,000   \$55,000   \$58,000   \$58,000   \$55,000   \$58,000   \$50,000   \$55	Subtotal Operating and Maintenance		\$17,197,000	\$18,135,000	\$19,131,000	\$20,185,000	\$21,307,000
Zone 1         Table 21         \$48,000         \$50,000         \$52,000         \$55,000         \$58,00           Zone 2         \$699,000         \$734,000         \$771,000         \$809,000         \$850,00           Zone 3         \$105,000         \$110,000         \$116,000         \$121,000         \$127,00           Operating and Maintenance         Table 21         \$861,000         \$911,000         \$964,000         \$1,020,000         \$1,079,00           Zone 2         \$75,000         \$79,000         \$83,000         \$87,000         \$92,00           Zone 3         \$23,000         \$24,000         \$25,000         \$27,000         \$28,00           Subtotal Pump Zone Costs         \$1,811,000         \$1,908,000         \$2,011,000         \$2,119,000         \$2,234,00           Total Operating Expenses         \$19,008,000         \$20,043,000         \$21,142,000         \$22,304,000         \$23,541,00           Debt Service         Existing Debt         Table 21         \$2,575,000         \$3,178,000         \$3,174,000         \$3,176,000         \$3,175,00           Total Expenses         \$42,008,000         \$45,188,000         \$48,103,000         \$51,239,000         \$54,608,000	Pump Zone Costs						
Zone 1         Table 21         \$48,000         \$50,000         \$52,000         \$55,000         \$58,00           Zone 2         \$699,000         \$734,000         \$771,000         \$809,000         \$850,00           Zone 3         \$105,000         \$110,000         \$116,000         \$121,000         \$127,00           Operating and Maintenance         Table 21         \$861,000         \$911,000         \$964,000         \$1,020,000         \$1,079,00           Zone 2         \$75,000         \$79,000         \$83,000         \$87,000         \$92,00           Zone 3         \$23,000         \$24,000         \$25,000         \$27,000         \$28,00           Subtotal Pump Zone Costs         \$1,811,000         \$1,908,000         \$2,011,000         \$2,119,000         \$2,234,00           Total Operating Expenses         \$19,008,000         \$20,043,000         \$21,142,000         \$22,304,000         \$23,541,00           Debt Service         Existing Debt         Table 21         \$2,575,000         \$3,178,000         \$3,174,000         \$3,176,000         \$3,176,000         \$54,608,000	Electricity						
Zone 2         \$699,000         \$734,000         \$771,000         \$809,000         \$850,00           Zone 3         \$105,000         \$110,000         \$116,000         \$121,000         \$127,00           Operating and Maintenance         Zone 1         Table 21         \$861,000         \$911,000         \$964,000         \$1,020,000         \$1,079,00           Zone 2         \$75,000         \$79,000         \$83,000         \$87,000         \$92,00           Zone 3         \$23,000         \$24,000         \$25,000         \$27,000         \$28,00           Subtotal Pump Zone Costs         \$1,811,000         \$1,908,000         \$2,011,000         \$2,119,000         \$2,234,00           Total Operating Expenses         \$19,008,000         \$20,043,000         \$21,142,000         \$22,304,000         \$23,541,00           Debt Service         Existing Debt         Table 21         \$2,575,000         \$3,178,000         \$3,174,000         \$3,176,000         \$3,175,00           Total Expenses         \$42,008,000         \$45,188,000         \$48,103,000         \$54,608,000	,	Table 21	\$48,000	\$50,000	\$52,000	\$55,000	\$58,000
Zone 3       \$105,000       \$110,000       \$116,000       \$121,000       \$127,00         Operating and Maintenance       Zone 1       \$861,000       \$911,000       \$964,000       \$1,020,000       \$1,079,00         Zone 2       \$75,000       \$79,000       \$83,000       \$87,000       \$92,00         Zone 3       \$23,000       \$24,000       \$25,000       \$27,000       \$28,00         Subtotal Pump Zone Costs       \$1,811,000       \$1,908,000       \$2,011,000       \$2,119,000       \$2,234,00         Total Operating Expenses       \$19,008,000       \$20,043,000       \$21,142,000       \$22,304,000       \$23,541,00         Debt Service       Existing Debt       Table 21       \$2,575,000       \$3,178,000       \$3,174,000       \$3,176,000       \$3,175,00         Total Expenses       \$42,008,000       \$45,188,000       \$48,103,000       \$51,239,000       \$54,608,000	Zone 2						\$850,000
Operating and Maintenance         Zone 1       Table 21       \$861,000       \$911,000       \$964,000       \$1,020,000       \$1,079,00         Zone 2       \$75,000       \$79,000       \$83,000       \$87,000       \$92,00         Zone 3       \$23,000       \$24,000       \$25,000       \$27,000       \$28,00         Subtotal Pump Zone Costs       \$1,811,000       \$1,908,000       \$2,011,000       \$2,119,000       \$2,234,00         Total Operating Expenses       \$19,008,000       \$20,043,000       \$21,142,000       \$22,304,000       \$23,541,00         Debt Service       Existing Debt       Table 21       \$2,575,000       \$3,178,000       \$3,174,000       \$3,176,000       \$3,175,00         Total Expenses       \$42,008,000       \$45,188,000       \$48,103,000       \$51,239,000       \$54,608,000	Zone 3						\$127,000
Zone 1         Table 21         \$861,000         \$911,000         \$964,000         \$1,020,000         \$1,079,00           Zone 2         \$75,000         \$79,000         \$83,000         \$87,000         \$92,00           Zone 3         \$23,000         \$24,000         \$25,000         \$27,000         \$28,00           Subtotal Pump Zone Costs         \$1,811,000         \$1,908,000         \$2,011,000         \$2,119,000         \$2,234,00           Total Operating Expenses         \$19,008,000         \$20,043,000         \$21,142,000         \$22,304,000         \$23,541,00           Debt Service         Existing Debt         Table 21         \$2,575,000         \$3,178,000         \$3,174,000         \$3,176,000         \$3,175,00           Total Expenses         \$42,008,000         \$45,188,000         \$48,103,000         \$51,239,000         \$54,608,000			¥===,===	+/	¥ ===,===	¥ ===/	¥ == · /- · ·
Zone 2         \$75,000         \$79,000         \$83,000         \$87,000         \$92,00           Zone 3         \$23,000         \$24,000         \$25,000         \$27,000         \$28,00           Subtotal Pump Zone Costs         \$1,811,000         \$1,908,000         \$2,011,000         \$2,119,000         \$2,234,00           Total Operating Expenses         \$19,008,000         \$20,043,000         \$21,142,000         \$22,304,000         \$23,541,00           Debt Service         Existing Debt         Table 21         \$2,575,000         \$3,178,000         \$3,174,000         \$3,176,000         \$3,175,00           Total Expenses         \$42,008,000         \$45,188,000         \$48,103,000         \$51,239,000         \$54,608,000		Table 21	\$861,000	\$911.000	\$964.000	\$1.020.000	\$1.079.000
Zone 3         \$23,000         \$24,000         \$25,000         \$27,000         \$28,00           Subtotal Pump Zone Costs         \$1,811,000         \$1,908,000         \$2,011,000         \$2,119,000         \$2,234,00           Total Operating Expenses         \$19,008,000         \$20,043,000         \$21,142,000         \$22,304,000         \$23,541,00           Debt Service         Existing Debt         Table 21         \$2,575,000         \$3,178,000         \$3,174,000         \$3,176,000         \$3,175,00           Total Expenses         \$42,008,000         \$45,188,000         \$48,103,000         \$51,239,000         \$54,608,000							
Subtotal Pump Zone Costs         \$1,811,000         \$1,908,000         \$2,011,000         \$2,119,000         \$2,234,00           Total Operating Expenses         \$19,008,000         \$20,043,000         \$21,142,000         \$22,304,000         \$23,541,00           Debt Service         Existing Debt         Table 21         \$2,575,000         \$3,178,000         \$3,174,000         \$3,176,000         \$3,175,00           Total Expenses         \$42,008,000         \$45,188,000         \$48,103,000         \$51,239,000         \$54,608,000							
Debt Service         Existing Debt         Table 21         \$2,575,000         \$3,178,000         \$3,174,000         \$3,176,000         \$3,175,000           Total Expenses         \$42,008,000         \$45,188,000         \$48,103,000         \$51,239,000         \$54,608,000							\$2,234,000
Debt Service         Existing Debt         Table 21         \$2,575,000         \$3,178,000         \$3,174,000         \$3,176,000         \$3,175,000           Total Expenses         \$42,008,000         \$45,188,000         \$48,103,000         \$51,239,000         \$54,608,000	<u> </u>						\$23,541,000
Existing Debt         Table 21         \$2,575,000         \$3,178,000         \$3,174,000         \$3,176,000         \$3,175,00           Total Expenses         \$42,008,000         \$45,188,000         \$48,103,000         \$51,239,000         \$54,608,000	. 5 .		. , ,	. , ,	, , , , ,	, , ,	, , ,
Total Expenses \$42,008,000 \$45,188,000 \$48,103,000 \$51,239,000 \$54,608,000		Table 21	\$2,575,000	\$3,178,000	\$3,174,000	\$3,176,000	\$3,175,000
	·	(Payanuas Fyranss-1					\$10,340,000



Table 29: Water Proposed Transfers and Reserves Activity

	erve Activity at Proposed Rates					
Line a		FY 2025	FY 2026	FY 2027	FY 2028	FY 2029
1	Beginning Balance	\$2,737,100	\$1,757,100	\$2,532,100	\$3,475,397	\$3,666,411
2	Transfers (Net Operating Income) Table 28	(\$980,000)	\$775,000	\$3,434,000	\$6,594,000	\$10,340,000
3	Transfers from/(to) Replacement	\$0	\$0	(\$2,490,703)	(\$6,402,986)	(\$10,136,658)
4	Ending Balance	\$1,757,100	\$2,532,100	\$3,475,397	\$3,666,411	\$3,869,753
		<del>+1,,0,,100</del>	<del>+1,001,100</del>	<del>+0,110,001</del>	<del>+0,000,111</del>	<del>+ + + + + + + + + + + + + + + + + + + </del>
	Replacement	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029
5	Beginning Balance	\$15,330,263	\$7,664,406	\$4,834,752	\$3,312,605	\$7,610,606
6	Plus:					
7	Transfers from/(to) Operating Line 3	\$0	\$0	\$2,490,703	\$6,402,986	\$10,136,658
8	Less:					
9	R&R	(\$6,499,075)	(\$2,922,700)	(\$4,073,500)	(\$2,186,300)	(\$3,051,500)
10	Transfers from/(to) Capital Improvement	(\$1,337,958)	\$0	\$0	\$0	(\$4,649,723)
11	Subtotal Replacement	\$7,493,230	\$4,741,706	\$3,251,955	\$7,529,291	\$10,046,040
12	Interest Earnings	\$171,176	\$93,046	\$60,650	\$81,314	\$132,425
13	Ending Balance	\$7,664,406	\$4,834,752	\$3,312,605	\$7,610,606	\$10,178,465
	Capital Improvement	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029
14	Beginning Balance	\$1,557,988	\$2,425,601	\$1,958,235	\$476,358	(\$43,300)
15	Transfers from/(to) Replacement Line 10	\$1,337,958	\$0	\$0	\$0	\$4,649,723
16	Sources & Uses					
17	Remaining Proceeds - Capital Improvement	\$25,000,000	\$2,000,000	\$6,000,000	\$0	\$0
18	Less:					
19	CIP	(\$25,500,000)	(\$2,500,000)	(\$7,500,000)	(\$519,658)	(\$540,090)
20	Subtotal Subtotal Replacement	\$2,395,946	\$1,925,601	\$458,235	(\$43,300)	\$4,066,334
21	Interest Earnings	\$29,655	\$32,634	\$18,124	\$0	\$30,173
22	Ending Balance	\$2,425,601	\$1,958,235	\$476,358	(\$43,300)	\$4,096,506
	Stored Water	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029
23	Beginning Balance	\$125,500	\$125,500	\$125,500	\$125,500	\$125,500
24	Ending Balance	\$125,500	\$125,500	\$125,500		\$125,500
27	Ending balance	\$125,500	\$125,500	\$125,500	\$125,500	\$125,500
	Rate Stabilization	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029
25	Beginning Balance	\$4,543,125	\$4,543,125	\$4,543,125	\$4,543,125	\$4,543,125
26	Ending Balance	\$4,543,125	\$4,543,125	\$4,543,125	\$4,543,125	\$4,543,125
		, ., ,	, ., ,	, .,,	, ., ,	, ,, ,
	Project	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029
	Beginning Balance	\$967,232	\$967,232	\$967,232	\$967,232	\$967,232
27	beginning balance					40.57.000
27 28	Ending Balance	\$967,232	\$967,232	\$967,232	\$967,232	\$967,232
		\$967,232	\$967,232	\$967,232	\$967,232	\$967,232
		\$967,232 \$17,482,964	\$967,232 \$14,960,944	\$967,232	\$967,232	\$967,232
28	Ending Balance	\$17,482,964				



The operating position based on the proposed financial plan is identified in Figure 7. Figure 8 and Figure 9 show the capital plan with funding sources and projected ending reserve balances, respectively. Debt financing is for the District's new headquarters. The debt is amortized over 30 years at an average coupon rate of 5%.

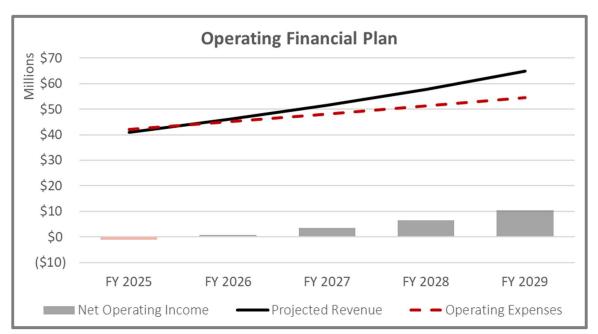
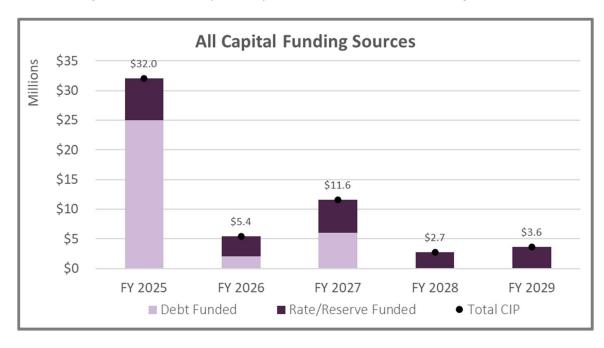


Figure 7: Water Proposed Operating Financial Position







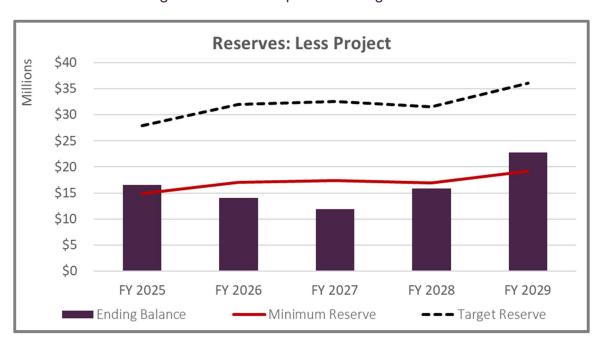


Figure 9: Water Proposed Ending Reserves



### **Cost-of-Service Analysis – Water Utility**

#### Cost-of-Service Process

The next step in developing rates is to perform a cost-of-service analysis. This step develops proposed water rates that are cost-based and equitable. Meeting the requirements of Proposition 218 is of paramount importance in developing utility rates. Proposition 218 does not provide a particular methodology for establishing cost-based rates. This study and analysis herein allocate costs proportionately to each parcel served by the District and derives water rates that adhere to the cost-of-service provisions of Proposition 218.

It is important to understand **how** costs are incurred to determine the most appropriate way to recover them. The following graphic summarizes the cost-of-service process. This process allocates costs incurred to customer classes and tiers based on their proportional share. As a result, the proposed rates are cost-based and reflect the costs incurred to deliver water service to all customers.

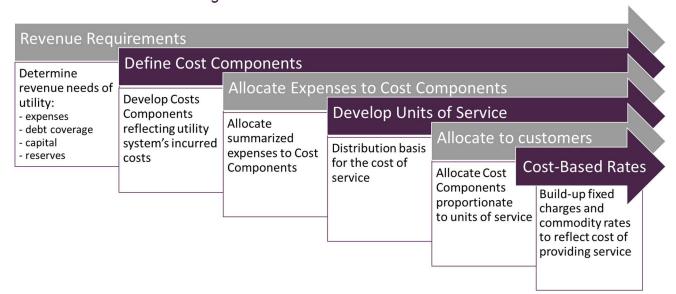


Figure 10: Cost-of-Service Process

### Revenue Requirements

With FY 2025 as the first year of the proposed rate schedule, revenue requirements are determined for FY 2025 and used for the cost-of-service. Revenue requirements include O&M expenses, available offsets from other operating and non-operating revenues, annual net income, and any mid-year adjustments if rates are implemented after the start of the fiscal year. The mid-year adjustment annualizes the proposed revenue adjustment to account for the time elapsed before new rates take effect to connect to the annual units of service used within this report for deriving rates. The proposed revenue adjustments and corresponding rates generate the necessary funding over the Rate Setting Period to fund total revenue requirements, including the capital spending plan and satisfy minimum reserve requirements by FY 2029. The results of the financial plan analysis are summarized in Table 30 and Table 31 and represent the revenue required from rates over the Rate Setting Period.



Table 30: Water Revenue Requirements

Rate Setting Period	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029
Revenue Requirements	Total	Total	Total	Total	Total
Water Supply Costs					-
Potable Fixed Water Supply Costs					
Old Baldy - Fixed	\$122,000	\$132,000	\$143,000	\$154,000	\$167,000
LHHCWD	\$2,000	\$2,000	\$2,000	\$2,000	\$2,000
PBWA/CDWC	\$9,000	\$9,000	\$10,000	\$11,000	\$12,000
PWR Surcharge	\$20,000	\$22,000	\$24,000	\$26,000	\$28,000
TVMWD	\$316,000	\$389,000	\$422,000	\$457,000	\$495,000
MWD	\$508,000	\$550,000	\$596,000	\$646,000	\$699,000
Groundwater Supply	\$207,000	\$222,000	\$238,000	\$255,000	\$273,000
Variable Potable Water Supply Costs					
Old Baldy - Variable	\$178,000	\$310,000	\$335,000	\$363,000	\$393,000
Durward	\$208,000	\$1,021,000	\$1,105,000	\$1,197,000	\$1,296,000
PBWA	\$527,000	\$571,000	\$618,000	\$670,000	\$725,000
MWD Purchased Water Tier I	\$18,120,000	\$18,526,000	\$20,063,000	\$21,728,000	\$23,532,000
TVMWD Surcharges	\$208,000	\$213,000	\$231,000	\$250,000	\$270,000
Total Water Supply Costs	\$20,425,000	\$21,967,000	\$23,787,000	\$25,759,000	\$27,892,000
Operating Expenses					
Operating and Maintenance					
Operations - General (5200)	\$1,115,000	\$1,175,000	\$1,238,000	\$1,305,000	\$1,376,000
Production & Storage (5210)	\$561,000	\$591,000	\$623,000	\$657,000	\$693,000
Water Quality (5220)	\$500,000	\$525,000	\$552,000	\$580,000	\$610,000
Valve Maintenance (5230)	\$446,000	\$475,000	\$506,000	\$539,000	\$574,000
Field Services (5240)	\$1,623,000	\$1,710,000	\$1,802,000	\$1,900,000	\$2,003,000
Customer Service Field (5250)	\$600,000	\$640,000	\$681,000	\$726,000	\$774,000
Engineering - (5300)	\$1,477,000	\$1,571,000	\$1,672,000	\$1,779,000	\$1,894,000
Finance - General (5400)	\$771,000	\$810,000	\$851,000	\$894,000	\$940,000
Customer Service (5410)	\$1,011,000	\$1,075,000	\$1,144,000	\$1,217,000	\$1,295,000
Accounting (5420)	\$800,000	\$853,000	\$910,000	\$970,000	\$1,034,000
Executive Staff (Admin 5510)	\$1,155,000	\$1,229,000	\$1,308,000	\$1,392,000	\$1,482,000
BOD (5520)	\$285,000	\$304,000	\$324,000	\$346,000	\$369,000
Administrative Support (5530)	\$273,000	\$291,000	\$311,000	\$332,000	\$354,000
HR/Risk Mgmt. (5610)	\$1,034,000	\$1,094,000	\$1,158,000	\$1,225,000	\$1,297,000
IT (5620)	\$893,000	\$939,000	\$988,000	\$1,039,000	\$1,093,000
Cons. & Public Info. (5630)	\$1,348,000	\$1,425,000	\$1,507,000	\$1,594,000	\$1,687,000
General Services (5640)	\$919,000	\$973,000	\$1,030,000	\$1,090,000	\$1,154,000
General Administration (5700)	\$1,361,000	\$1,419,000	\$1,479,000	\$1,542,000	\$1,608,000
Unfunded Liability	\$750,000	\$750,000	\$750,000	\$750,000	\$750,000
Non-Operating Expenses	\$275,000	\$286,000	\$297,000	\$308,000	\$320,000
Total Operating and Maintenance	\$17,197,000	\$18,135,000	\$19,131,000	\$20,185,000	\$21,307,000



Table 31: Water Revenue Requirements (Continued)

Rate Setting Period	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029
Revenue Requirements	Total	Total	Total	Total	Total
Pump Zone Costs					-
Electricity					
Zone 1	\$48,000	\$50,000	\$52,000	\$55,000	\$58,000
Zone 2	\$699,000	\$734,000	\$771,000	\$809,000	\$850,000
Zone 3	\$105,000	\$110,000	\$116,000	\$121,000	\$127,000
Operating and Maintenance					
Zone 1	\$861,000	\$911,000	\$964,000	\$1,020,000	\$1,079,000
Zone 2	\$75,000	\$79,000	\$83,000	\$87,000	\$92,000
Zone 3	\$23,000	\$24,000	\$25,000	\$27,000	\$28,000
Total Pump Zone Costs	\$1,811,000	\$18,135,000	\$19,131,000	\$20,185,000	\$21,307,000
Debt Service					
Existing Debt	\$2,575,000	\$3,178,000	\$3,174,000	\$3,176,000	\$3,175,000
Other Funding					
Revenue Offsets					
Operating Revenues	(\$1,296,000)	(\$1,296,000)	(\$1,296,000)	(\$1,296,000)	(\$1,296,000)
Non-Operating Revenues	(\$656,000)	(\$659,000)	(\$661,000)	(\$664,000)	(\$667,000)
Tax Revenue - General	(\$1,230,000)	(\$1,242,000)	(\$1,255,000)	(\$1,267,000)	(\$1,280,000)
Total Revenue Offsets	(\$3,182,000)	(\$3,197,000)	(\$3,212,000)	(\$3,227,000)	(\$3,243,000)
Adjustments					
Reserve Funding	(\$980,000)	\$775,000	\$3,434,000	\$6,594,000	\$10,340,000
Adjustment for Mid-Year Increase	\$2,309,000	\$2,610,000	\$2,949,000	\$3,332,000	\$3,766,000
Total Adjustments	\$1,329,000	\$3,385,000	\$6,383,000	\$9,926,000	\$14,106,000
Total Other Funding	(\$1,853,000)	\$188,000	\$3,171,000	\$6,699,000	\$10,863,000
Revenue Requirement from Rates	\$40,155,000	\$45,376,000	\$51,274,000	\$57,938,000	\$65,471,000



### <u>Define Cost Components</u>

The water utility incurs costs to accommodate total water demand throughout the year. Therefore, to determine the most appropriate way to recover the utility's expenses, cost components are identified to allocate expenses based on how they are incurred. By reviewing the revenue requirements and understanding the utility system, it is appropriate and reasonable to utilize the base-extra capacity methodology outlined in the American Water Works Association M1 Manual. This methodology accounts for utility systems costs to meet revenue needs based on average annual usage and total demand. The cost components shown in Figure 11 reflects the cost components used for this study.

Figure 11: Water Cost Components







Account Services



Meter Capacity



Water Supply



Delivery



Conservation



Pumping



Revenue

#### **Cost Components:**

Fixed Water Supply – Fixed monthly water supply costs incurred from water wholesalers.

Account Services: Fixed expenses that do not necessarily fluctuate based on usage nor are a function of meter size.

*Meter Capacity:* Fixed expenses associated with system demand to be recovered based on meter capacity. *Water Supply* – Variable costs related to the four water supplies: Old Baldy, Durward, PBWA/CDWC, and TVMWD.

*Delivery:* Operating and capital expenses of the water system associated with serving customers at a constant average use or average daily demand. These costs tend to vary with the total water used.

Conservation: Expenses related to water conservation programs and public education.

Pumping – Energy and operating costs incurred to pump water to higher elevation zones.

Revenue Offset – Tax revenue used to offset variable rates.

### Allocate Expenses to Cost Components

When allocating expenses to the defined costs components, it is important to have a sound basis as to why an expense was allocated to a certain fixed cost component versus a variable cost component or split between both fixed and variable. The distribution of expenses to the cost components should be straightforward to ensure the method of apportionment is <u>understandable</u> and easily <u>correlates to how expenses are incurred</u>. A description of each expense category is identified on the next page.

#### **Water Supply Expense Categories:**

Old Baldy - Fixed: Fixed expenses related to water purchased from Old Baldy.

LHHCWD: Fixed expenses from La Habra Heights County Water District (LHHCWD) associated with their interconnection to the District's water system.

*PBWA/CDWC:* Fixed expense related to purchased water from the Puente Basin Water Agency (PBWA) and the California Domestic Water Company (CDWC).

*PWR Surcharge:* Depreciation and maintenance expenses related to a joint line with Pomona and Rowland Water District.

TVMWD: Fixed expenses associated with Three Valleys Municipal Water District (TVMWD).

MWD: Fixed expenses from Metropolitan Water District (MWD) that TVMWD passes through to the District.

Groundwater Supply: Fixed costs associated with the administration and operation of Puente Basin

Watermaster and Spadra Basin Groundwater Sustainability Agency (GSA).

Old Baldy – Variable: Commodity rate (in Acre Feet) for the purchase of water from Old Baldy.

Durward: Commodity rate (in Acre Feet) for the purchase of water from Durward.

PBWA: Commodity rate (in Acre Feet) for the purchase of water from PBWA.

MWD Purchased Water Tier I: Commodity rate (in Acre Feet) for the purchase of water from MWD that TVMWD passes through to the District.

TVMWD Surcharges: Commodity rate (in Acre Feet) for the purchase of water from TVMWD.



Table 32 summarizes the percent allocation of water supply costs to the water supply cost components and corresponding values in dollars. All fixed charges are allocated to the Fixed Water Supply cost component and each variable water supply expense is allocated 100% to its respective water supply cost component to clearly develop unit rates for each.

Table 32: Water Supply Costs Allocation to Cost Components

	Cost Components						
Water Supply Costs	Methodology / Allocation Basis	Fixed Water Supply	Old Baldy	Durward	PBWA/CDWC	TVMWD	Total
Potable Fixed Water Supply Costs							
Old Baldy - Fixed	Specific	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
LHHCWD	Specific	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
PBWA/CDWC	Specific	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
PWR Surcharge	Specific	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
TVMWD	Specific	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
MWD	Specific	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Groundwater Supply	Specific	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Variable Potable Water Supply	Costs						
Old Baldy - Variable	Specific	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Durward	Specific	0.0%	0.0%	100.0%	0.0%	0.0%	100.0%
PBWA	Specific	0.0%	0.0%	0.0%	100.0%	0.0%	100.0%
MWD Purchased Water Tier I	Specific	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
TVMWD Surcharges	Specific	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%

Water Supply Costs	Methodology / Allocation Basis	Fixed Water Supply	Old Baldy	Durward	PBWA/CDWC	TVMWD	Total
Potable Fixed Water Supply Costs							
Old Baldy - Fixed	Specific	\$122,000	\$0	\$0	\$0	\$0	\$122,000
LHHCWD	Specific	\$2,000	\$0	\$0	\$0	\$0	\$2,000
PBWA/CDWC	Specific	\$9,000	\$0	\$0	\$0	\$0	\$9,000
PWR Surcharge	Specific	\$20,000	\$0	\$0	\$0	\$0	\$20,000
TVMWD	Specific	\$316,000	\$0	\$0	\$0	\$0	\$316,000
MWD	Specific	\$508,000	\$0	\$0	\$0	\$0	\$508,000
Groundwater Supply	Specific	\$207,000	\$0	\$0	\$0	\$0	\$207,000
Variable Potable Water Supply	Costs						
Old Baldy - Variable	Specific	\$0	\$178,000	\$0	\$0	\$0	\$178,000
Durward	Specific	\$0	\$0	\$208,000	\$0	\$0	\$208,000
PBWA	Specific	\$0	\$0	\$0	\$527,000	\$0	\$527,000
MWD Purchased Water Tier	Specific Specific	\$0	\$0	\$0	\$0	\$18,120,000	\$18,120,000
TVMWD Surcharges	Specific	\$0	\$0	\$0	\$0	\$208,000	\$208,000
Total Allocation (\$)		\$1,184,000	\$178,000	\$208,000	\$527,000	\$18,328,000	\$20,425,000



Table 33 summarizes the percent allocation of operating and maintenance costs to the cost components and corresponding values in dollars. System operations and production are allocated to the variable cost component of Delivery, which is recovered over every unit of water. Field workers and staffing that manage and run the system are allocated to the fixed component of Meter Capacity and business operations are assigned to the fixed cost component of Account Services.

Table 33: Water Operating and Maintenance Allocation to Cost Components

Operating and Maintenance	Methodology / Allocation Basis	Account Services	Meter Capacity	Delivery	Conservation	Total
Operations - General (5200)	Average Day	0.0%	0.0%	100.0%	0.0%	100.0%
Production & Storage (5210)	Average Day	0.0%	0.0%	100.0%	0.0%	100.0%
Water Quality (5220)	Average Day	0.0%	0.0%	100.0%	0.0%	100.0%
Valve Maintenance (5230)	Average Day	0.0%	0.0%	100.0%	0.0%	100.0%
Field Services (5240)	Average Day	0.0%	0.0%	100.0%	0.0%	100.0%
Customer Service Field (5250)	Specific	0.0%	100.0%	0.0%	0.0%	100.0%
Engineering - (5300)	Specific	0.0%	100.0%	0.0%	0.0%	100.0%
Finance - General (5400)	Specific	100.0%	0.0%	0.0%	0.0%	100.0%
Customer Service (5410)	Specific	100.0%	0.0%	0.0%	0.0%	100.0%
Accounting (5420)	Specific	100.0%	0.0%	0.0%	0.0%	100.0%
Executive Staff (Admin 5510)	Specific	0.0%	100.0%	0.0%	0.0%	100.0%
BOD (5520)	Specific	0.0%	100.0%	0.0%	0.0%	100.0%
Administrative Support (5530)	Specific	0.0%	100.0%	0.0%	0.0%	100.0%
HR/Risk Mgmt. (5610)	Specific	100.0%	0.0%	0.0%	0.0%	100.0%
IT (5620)	Specific	0.0%	100.0%	0.0%	0.0%	100.0%
Cons. & Public Info. (5630)	Specific	0.0%	0.0%	0.0%	100.0%	100.0%
General Services (5640)	Specific	0.0%	100.0%	0.0%	0.0%	100.0%
General Administration (5700)	Specific	0.0%	100.0%	0.0%	0.0%	100.0%
Unfunded Liability	Specific	100.0%	0.0%	0.0%	0.0%	100.0%
Non-Operating Expenses	Specific	100.0%	0.0%	0.0%	0.0%	100.0%

Operating and Maintenance	Methodology / Allocation Basis	Account Services	Meter Capacity	Delivery	Conservation	Total
Operations - General (5200)	Average Day	\$0	\$0	\$1,115,000	\$0	\$1,115,000
Production & Storage (5210)	Average Day	\$0	\$0	\$561,000	\$0	\$561,000
Water Quality (5220)	Average Day	\$0	\$0	\$500,000	\$0	\$500,000
Valve Maintenance (5230)	Average Day	\$0	\$0	\$446,000	\$0	\$446,000
Field Services (5240)	Average Day	\$0	\$0	\$1,623,000	\$0	\$1,623,000
Customer Service Field (5250)	Specific	\$0	\$600,000	\$0	\$0	\$600,000
Engineering - (5300)	Specific	\$0	\$1,477,000	\$0	\$0	\$1,477,000
Finance - General (5400)	Specific	\$771,000	\$0	\$0	\$0	\$771,000
Customer Service (5410)	Specific	\$1,011,000	\$0	\$0	\$0	\$1,011,000
Accounting (5420)	Specific	\$800,000	\$0	\$0	\$0	\$800,000
Executive Staff (Admin 5510)	Specific	\$0	\$1,155,000	\$0	\$0	\$1,155,000
BOD (5520)	Specific	\$0	\$285,000	\$0	\$0	\$285,000
Administrative Support (5530)	Specific	\$0	\$273,000	\$0	\$0	\$273,000
HR/Risk Mgmt. (5610)	Specific	\$1,034,000	\$0	\$0	\$0	\$1,034,000
IT (5620)	Specific	\$0	\$893,000	\$0	\$0	\$893,000
Cons. & Public Info. (5630)	Specific	\$0	\$0	\$0	\$1,348,000	\$1,348,000
General Services (5640)	Specific	\$0	\$919,000	\$0	\$0	\$919,000
General Administration (5700)	Specific	\$0	\$1,361,000	\$0	\$0	\$1,361,000
Unfunded Liability	Specific	\$750,000	\$0	\$0	\$0	\$750,000
Non-Operating Expenses	Specific	\$275,000	\$0	\$0	\$0	\$275,000
Total Allocation (\$)		\$4,641,000	\$6,963,000	\$4,245,000	\$1,348,000	\$17,197,000
O&M Allocation (%)		27.0%	40.5%	24.7%	7.8%	100.0%



Table 34 summarizes the percent allocation of pump zone costs to the cost components and corresponding values in dollars to each cost component. Electrical and operating costs for Zone 1 are allocated to Delivery since Zone 1 reflects the pumping costs to reach the surface level. Every unit of water must pass through Zone 1 before being pumped to the higher elevations. Electrical and operating expenses for Zones 2 and 3 are tracked separately and are allocated to Pumping to develop unit rates for each Zone.

Table 34: Water Pump Zone Allocation to Cost Components

		Cost Components		
Pump Zone Costs	Methodology / Allocation Basis	Delivery	Pumping	Total
Electricity				
Zone 1	Average Day	100.0%	0.0%	100.0%
Zone 2	Specific	0.0%	100.0%	100.0%
Zone 3	Specific	0.0%	100.0%	100.0%
Operating and Maintenance				
Zone 1	Average Day	100.0%	0.0%	100.0%
Zone 2	Specific	0.0%	100.0%	100.0%
Zone 3	Specific	0.0%	100.0%	100.0%

		Cost Comp		
Pump Zone Costs	Methodology / Allocation Basis	Delivery	Pumping	Total
Electricity				
Zone 1	Average Day	\$48,000	\$0	\$48,000
Zone 2	Specific	\$0	\$699,000	\$699,000
Zone 3	Specific	\$0	\$105,000	\$105,000
Operating and Maintena	ınce			
Zone 1	Average Day	\$861,000	\$0	\$861,000
Zone 2	Specific	\$0	\$75,000	\$75,000
Zone 3	Specific	\$0	\$23,000	\$23,000
Total Allocation (\$)		\$909,000	\$902,000	\$1,811,000

The District's debt, which includes the new bond issuance for the headquarters, was allocated based on the O&M Allocation percentages, derived in Table 33, to maintain the proportionality in how O&M expenses were allocated. Table 35 summarizes the percent allocation and corresponding values in dollars to each cost component.

Table 35: Water Debt Service Allocation to Cost Components

			Cost Components					
Debt Service	Methodology / Allocation Basis	Account Services	Meter Capacity	Delivery	Conservation	Total		
Existing Debt	O&M Allocation	27.0%	40.5%	24.7%	7.8%	100.0%		
						ı		
			Cost Com	nponents				
Debt Service	Methodology / Allocation Basis	Account Services	Meter Capacity	Delivery	Conservation	Total		
Existing Debt	O&M Allocation	\$694,922	\$1,042,608	\$635,627	\$201,843	\$2,575,000		
Total Allocation (\$)		\$694,922	\$1,042,608	\$635,627	\$201,843	\$2,575,000		



Other Funding includes revenue offsets and adjustments. All items within Other Funding, except Tax Revenue, were also allocated based on the O&M Allocation percentages. Tax revenues are unrestricted and may be used for any purpose. The District will use these revenues to offset variable rates. Table 36 summarizes the percent allocation of Other Funding and corresponding values in dollars to each cost component.

Table 36: Water Other Funding Allocation to Cost Components

Other Funding	Methodology / Allocation Basis	Account Services	Meter Capacity	Delivery	Conservation	Revenue Offset	Total
Revenue Offsets							
Operating Revenues	O&M Allocation	27.0%	40.5%	24.7%	7.8%	0.0%	100.0%
Non-Operating Revenues	O&M Allocation	27.0%	40.5%	24.7%	7.8%	0.0%	100.0%
Tax Revenue - General	Specific	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
Adjustments							
Reserve Funding	O&M Allocation	27.0%	40.5%	24.7%	7.8%	0.0%	100.0%
Adjustment for Mid-Year Increase	O&M Allocation	27.0%	40.5%	24.7%	7.8%	0.0%	100.0%

			Cost Components						
Other Funding	Methodology / Allocation Basis	Account Services	Meter Capacity	Delivery	Conservation	Revenue Offset	Total		
Revenue Offsets									
Operating Revenues	O&M Allocation	(\$349,755)	(\$524,745)	(\$319,912)	(\$101,588)	\$0	(\$1,296,000)		
Non-Operating Revenues	O&M Allocation	(\$177,036)	(\$265,612)	(\$161,931)	(\$51,421)	\$0	(\$656,000)		
Tax Revenue - General	Specific	\$0	\$0	\$0	\$0	(\$1,230,000)	(\$1,230,000)		
Adjustments									
Reserve Funding	O&M Allocation	(\$264,475)	(\$396,798)	(\$241,908)	(\$76,818)	\$0	(\$980,000)		
Adjustment for Mid-Year Increase	O&M Allocation	\$623,136	\$934,905	\$569,966	\$180,993	\$0	\$2,309,000		
Total Allocation (\$)		(\$168,131)	(\$252,250)	(\$153,785)	(\$48,834)	(\$1,230,000)	(\$1,853,000)		

Table 37 summarizes the fixed cost-of-service requirements and Table 38 summarizes the variable cost-of-service requirements.

Table 37: FY 2025 Water Cost-of-Service Revenue Requirements by Fixed Cost Components

	Fixe	ed Componen	its		
Revenue Requirement	Fixed Water Supply	Account Services	Meter Capacity	Fixed Total	Variable Total
Water Supply Costs	\$1,184,000	\$0	\$0	\$1,184,000	\$19,241,000
Operating and Maintenance	\$0	\$4,641,000	\$6,963,000	\$11,604,000	\$5,593,000
Pump Zone Costs	\$0	\$0	\$0	\$0	\$1,811,000
Debt Service	\$0	\$694,922	\$1,042,608	\$1,737,530	\$837,470
Other Funding	\$0	(\$168,131)	(\$252,250)	(\$420,381)	(\$1,432,619)
COS Requirements	\$1,184,000	\$5,167,791	\$7,753,357	\$14,105,149	\$26,049,851



Table 38: FY 2025 Water Cost-of-Service Revenue Requirements by Variable Cost Components

		Variable Components							
	Water Supply								
Revenue Requirement	Old Baldy	Durward	PBWA / CDWC	TVMWD	Delivery	Conservation	Pumping	Revenue Offset	Variable Total
Water Supply Costs	\$178,000	\$208,000	\$527,000	\$18,328,000	\$0	\$0	\$0	\$0	\$19,241,000
Operating and Maintenance	\$0	\$0	\$0	\$0	\$4,245,000	\$1,348,000	\$0	\$0	\$5,593,000
Pump Zone Costs	\$0	\$0	\$0	\$0	\$909,000	\$0	\$902,000	\$0	\$1,811,000
Debt Service	\$0	\$0	\$0	\$0	\$635,627	\$201,843	\$0	\$0	\$837,470
Other Funding	\$0	\$0	\$0	\$0	(\$153,785)	(\$48,834)	\$0	(\$1,230,000)	(\$1,432,619
COS Requirements	\$178,000	\$208,000	\$527,000	\$18,328,000	\$5,635,842	\$1,501,009	\$902,000	(\$1,230,000)	\$26,049,851



### Rate Design - Water Utility

### **Develop Units of Service**

Unit rates for each cost component are derived by spreading the corresponding revenue requirements over appropriate units of service (distribution basis). This approach provides a clear connection between costs incurred and the proportionate share attributable to each customer class, corresponding tier, and customer account. When designing rates, the most critical component is to connect costs to the proposed rates, resulting in a rate structure that is cost-based and in compliance with Proposition 218. The previous section summarized costs by expense category and then allocated to cost components based on how each cost is incurred. The next step in designing rates is to allocate each cost component to customers in relation to their use of the system and facilities.

The method of apportionment considers each customer's share of system costs and is reflected by the units of service used to equitably distribute the cost components to each customer account. The distribution basis varies by cost component and includes annual bills (total accounts multiplied by 12 billing periods), Meter Equivalents (MEs), which reflect demand placed on the system based on meter size, total projected water consumption, and usage by tier. Each meter size was assigned an equivalency factor using the flow characteristics of a 3/4" meter, equal to 30 gpm. The District's meter inventory was reviewed, and the specifications of the meters were provided for determining the safe operating yield (in gpm) for each meter size. The safe maximum operating flow capacity for each meter size was divided by the safe operating flow capacity of the 3/4" meter (30 gpm) to determine the equivalent meter ratios identified in Table 39 (Column B).

The Capacity Ratio represents the potential flow through each meter size compared to the flow through the base 3/4" meter to establish parity between meter sizes. Total MEs are determined by multiplying the number of meters by the Capacity Ratio and then multiplying the result by the billing periods in a year (12 billing periods). Table 39 and Table 40 summarize the annual units of service related to Total Accounts (Annual Bills) and Total MEs, respectively. Table 41 summarizes the total accounts and total MEs by customer class.



Table 39: Water Accounts

Annual Fixed Units of Service							
Meter Size	Single- Family	Multi- Family	Non- Residential	Irrigation	Accounts	Dedicated Fire Lines	Total Accounts
	[A]	[B]	[C]	[D]	[E] = A+B+C+D	[F]	[G] = E + F
≤3/4"	22,945	3	168	39	23,155	-	23,155
1"	2,394	52	368	58	2,872	27	2,899
1 1/2"	165	18	282	86	551	6	557
2"	7	50	299	158	514	7	521
3"	-	-	-	-	-	-	-
4"	-	1	2	-	3	20	23
6"	-	28	2	-	30	167	197
8"	-	14	2	-	16	145	161
10"	-	-	-	-	-	86	86
12"	-	-	-	-	-	1	1
Private Hydrant	-	-	-	-	-	172	172
Total	25,511	166	1,123	341	27,141	631	27,772
Annual Units (Total x 12 Billing Periods)	306,132	1,992	13,476	4,092	325,692	7,572	333,264

Table 40: Water Meter Equivalents

Meter Size         AWWA Capacity (gpm)         Capacity (gpm)         Single-Family         Multi-Family         Non-Residential         Irrigation         Meter Equivalents         Dedicated Fire Lines           ≤3/4"         30         1.00         22,945         3         168         39         23,155         -           1"         50         1.67         3,990         87         613         97         4,787         45           1 1/2"         100         3.33         550         60         940         287         1,837         20           2"         160         5.33         37         267         1,595         843         2,741         37           3"         320         10.67         -         -         -         -         -         -         -	Total Meter Equivalents
≤3/4"     30     1.00     22,945     3     168     39     23,155     -       1"     50     1.67     3,990     87     613     97     4,787     45       1 1/2"     100     3.33     550     60     940     287     1,837     20       2"     160     5.33     37     267     1,595     843     2,741     37	
1"     50     1.67     3,990     87     613     97     4,787     45       1 1/2"     100     3.33     550     60     940     287     1,837     20       2"     160     5.33     37     267     1,595     843     2,741     37	[I] = G + H
1 1/2"     100     3.33     550     60     940     287     1,837     20       2"     160     5.33     37     267     1,595     843     2,741     37	23,155
2" 160 5.33 37 267 1,595 843 2,741 37	4,832
	1,857
3" 320 10.67	2,779
	-
4" 500 16.67 - 17 33 - 50 333	383
6" 1,000 33.33 - 933 67 - 1,000 5,567	6,567
8" 1,600 53.33 - 747 107 - 853 7,733	8,587
10" 4,200 140.00 12,040	12,040
12" 5,300 176.67 177	177
Private Hydrant 1,000 33.33 5,733	5,733
Total 27,522 2,113 3,523 1,265 34,423 31,686	
Annual Units (Total x 12 Billing Periods) 330,268 25,356 42,272 15,180 413,076 380,228	66,109

Table 41: Annual Fixed Units of Service

Annual Fixed Units of Service							
Customer Class	Annual Bills	Annual Bills (less Dedicated Fire)	Annual ME's	Annual ME's (less Dedicated Fire)			
Single-Family	306,132	306,132	330,268	330,268			
Multi-Family	1,992	1,992	25,356	25,356			
Non-Residential	13,476	13,476	42,272	42,272			
Irrigation	4,092	4,092	15,180	15,180			
Dedicated Fire Line:	7,572	-	380,228	-			
Annual Fixed Units	333,264	325,692	793,304	413,076			



Total usage by customer class and tier must be known to derive the units of service for allocating variable costs. As part of this rate study and cost-of-service, Single-Family residential tier widths have been revised. The revised Tier 1 allotment for Single-Family customers will be based on the water efficiency standard of the State of California, as amended by Senate Bill 1157. This efficiency standard was calculated by multiplying 47 gallons per capita per day (gpcd) by the average number of people per household (pph) and then multiplying by the number of days in the average billing cycle as shown in Table 42 (rounded up to the next whole unit of water). Single-Family Tier 2 is based on the average usage per account during the highest use month equal to 27 HCF, and Tier 3 captures all remaining usage over Tier 2. Table 43 provides the projected usage for FY 2025, broken out by customer class and tier.

Table 42: Water Efficiency Standard (HCF)

Water Efficiency Standards	
Efficiency Standard	47 gpcd
× People Per Household	3.03 pph
× Billing Cycle	30 days
Efficient Water Needs	4,266 gallons
Converted to HCF (divided by 748.052)	6.0 ccf

Table 43: Water Projected Usage by Customer Class and Tier (HCF)

Projected Usage by Customer Class and Tier (HCF)							
Customer Class & Tier	Tiers	Projected Usage (HCF)					
Single-Family							
Tier 1	0 - 6	1,309,140					
Tier 2	7 - 27	2,009,140					
Tier 3	>27	726,447					
Multi-Family	Uniform	664,539					
Non-Residential	Uniform	650,164					
Irrigation	Uniform	306,787					
Total		5,666,216					



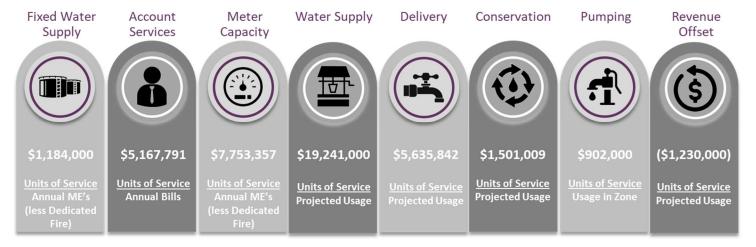
Table 44 provides the usage for Pump Zones 2 and 3 from Table 16 and total usage that flows through each zone. For Pump Zone 2, the total usage flowing through the zone includes all usage in Pump Zone 3. Pump Zone 3 is the highest elevation, and the total usage flowing through that zone is equivalent to usage in that zone.

Table 44: Water Projected Usage by Pump Zone (HCF)

Projected Usage by Pump Zone (HCF)							
Pump Zone	Pumping Usage	Usage Charged through Zone					
Pump Zone 2	2,438,112	3,043,986					
Pump Zone 3	605,874	605,874					
Total	3,043,986	9,316,077					

With the units of service shown in Table 41, Table 43, and Table 44 we can select the appropriate distribution basis for each cost component. Figure 12 identifies the total revenue requirements by cost component from Table 37 and Table 38 and the corresponding units of service.

Figure 12: Water Distribution Basis and Units of Service by Cost Component



Using the FY 2025 revenue requirements, the cost-of-service allocates expenses to customers based on the service demands that each place on the system (cost causation). This approach ensures that each customer proportionately shares in the financial obligation of the water utility. For the following unit rate computations for each cost component, unit rates were rounded up to the nearest penny.

### Fixed Cost Recovery

#### Fixed Water Supply

The Fixed Water Supply Component includes fixed costs associated with purchased water. The revenue requirement for Fixed Water Supply is apportioned based on meter size. Larger-sized meters can generate a greater demand on the system from the amount of potential water flow that may pass through the meter. However, dedicated fire line meters are a standby service and do not consistently use water or place demand on the system. Therefore, the revenue requirement for Fixed Water Supply is apportioned to meter size as represented by Annual MEs (less Dedicated Fire) (Table 41), as shown in Table 45.

Table 45: FY 2025 Fixed Water Supply Monthly Unit Rate

Fixed Water Supply Component Unit Rate					
Revenue Requirement	\$1,184,000				
÷ Annual ME's (less Dedicated Fire)	413,076				
Monthly Unit Rate	\$2.87				

#### **Account Services**

Each customer incurs Account Services costs, including dedicated fire lines, regardless of the type of land use, meter size, or total amount of water used. These costs should be spread equally across all accounts. This is achieved by spreading the cost over total Annual Bills. Annual Bills are determined by multiplying the total accounts, including dedicated fire lines, by the 12 billing periods over the fiscal year (Table 41). Therefore, the revenue requirement for Account Services is apportioned based on the Annual Bills to determine the monthly unit cost-of-service shown in Table 46.

Table 46: FY 2025 Water Account Services Monthly Unit Rate

Account Services Component Unit Rate						
Revenue Requirement	\$5,167,791					
÷ Annual Bills	333,264					
Monthly Unit Rate	\$15.51					



#### Meter Capacity

The Meter Capacity Component includes operational costs and a portion of system-wide operations capital and reserve funding. The revenue requirement for Meter Capacity is apportioned based on meter size. Larger sized meters can generate a greater demand on the system from the amount of potential water flow that may pass through the meter. However, dedicated fire line meters are a standby service and do not consistently use water or place demand on the system. Therefore, the revenue requirement for Meter Capacity is apportioned to meter size as represented by Annual MEs (less Dedicated Fire) (Table 39), as shown in Table 47.

Table 47: FY 2025 Water Meter Capacity Monthly Unit Rate

Meter Capacity Component Unit Rate						
Revenue Requirement	\$7,753,357					
÷ Annual ME's (less Dedicated Fire)	413,076					
Monthly Unit Rate	\$18.77					



### Variable Cost Recovery

The remaining cost components are recovered through the variable rates. The proposed variable rate structure includes tiers for Single-Family residential customers and uniform rates for Multi-Family, Non-Residential, and Irrigation accounts.

#### Water Supply

Tiered rates differ by water supplies available to serve each tier, with the lowest water supply unit rate applied to Tier 1 followed by more expensive water supplies as total water demand increases through the higher tiers. As part of this study, a detailed analysis was conducted to first separate fixed costs and variable costs of each water supply, and then a decoupling of variable costs between each water supply source to derive water supply unit rates. Through this approach, water supply variable costs were separated between Old Baldy, PBWA/CDWC, Durward, and TVMWD. The District's water loss is 7.0%, which is caused by evaporation, exfiltration, and leaks/breaks in the distribution system. The water loss percentage was applied to the water production to derive the net amount of each water supply available to serve customer demands. Table 48 summarizes the unit rates for each water supply available to the District. Appendix B includes a detailed analysis of water supply costs.

Water Supply Unit Rates Production/ Water **Net Water** Available Revenue **Unit Rate** Water Supplies Purchases Supply (HCF) Loss Supply Requirement  $[F] = E \div D$ [A] = Acre Feet [B]  $[C] = A \times (1-B)$  $[D] = C \times 435.6$ [E] Old Baldy 7.0% 217 94,390 \$178,000 \$1.89 233 \$3.11 Durward 165 7.0% 153 66,843 \$208,000 PBWA/CDWC 600 7.0% 558 243,065 \$527,000 \$2.17 **TVMWD** 12,989 7.0% 12,080 5,261,918 \$18,328,000 \$3.48 5,666,216 **Total Water Supply** 13,987 13,008 \$19,241,000

Table 48: FY 2025 Water Supply Unit Rates per HCF

Unit rates must be determined for each tier corresponding to the water source serving the usage within each tier. Table 49 summarizes the amount of water, by source, used to serve total water demand in each tier and the corresponding unit rate rounded up to the nearest penny. Each customer class is allocated a proportionate share of each water supply based on the percentage of total water sales. As such, irrespective of a customer class rate structure reflecting tiers or uniform rates, each customer class receives and pays its fair share of water supplies. For Single-Family, their fair share of water supplies was further apportioned to the tiers. The least expensive water supply was allocated to Tier 1 first, followed by the next expensive supply, until the projected demand of Tier 1 was met. As shown in Table 49, Old Baldy, PBWA/CDWC, and Durward cannot cover the total demand in Tier 1 of Single-Family, and water from TVMWD is required to meet the total demand in Single-Family Tier 1. Single-Family Tier 2 and Tier 3 use water from TVMWD as all other water supplies are no longer available. For Multi-Family, Non-Residential, and Irrigation, all four water supplies are applied to each customer class based on their percentage of total water demand (Table 49 – Column B).



Table 49: FY 2025 Customer Class and Tier Water Supply Unit Rates per HCF

Tier Water Supply Un	it Rates							
Water Supply Allocation	Projected Usage (HCF)	% Allocation	Old Baldy	PBWA / CDWC	Durward	TVMWD	Total Cost	Unit rate
	[A]	[B] = A as %	[C]	[D]	[E]	[F]	[G] = Sum Product (Unit Rate x Usage)	[H] = G ÷ A
Available Supply (HCF)			94,390	243,065	66,843	5,261,918		
Effective Unit Cost (\$/HCF)			\$1.89	\$2.17	\$3.11	\$3.48		
Single-Family								
Tier 1	1,309,140		67,379	173,507	47,715	1,020,539	\$4,206,409	\$3.22
Tier 2	2,009,140		-	-	-	2,009,140	\$6,998,115	\$3.49
Tier 3	726,447		-	-	-	726,447	\$2,530,316	\$3.49
Subtotal Single-Family	4,044,726	71.4%	67,379	173,507	47,715	3,756,125	\$13,734,840	
Multi-Family	664,539	11.7%	11,070	28,507	7,839	617,123	\$2,256,602	\$3.40
Non-Residential	650,164	11.5%	10,831	27,890	7,670	603,773	\$2,207,788	\$3.40
Irrigation	306,787	5.4%	5,111	13,160	3,619	284,897	\$1,041,769	\$3.40
Total	5,666,216	100%	94,390	243,065	66,843	5,261,918	\$19,241,000	

#### **Delivery**

Delivery costs are incurred based on the total volume of water produced and delivered to customers throughout the year. Therefore, the revenue requirement for Delivery is apportioned based on the projected total water usage to determine the unit cost-of-service, irrespective of tier, as shown in Table 50.

Table 50: FY 2025 Water Delivery Cost Unit Rate per HCF

Delivery Component Unit Rate						
Revenue Requirement	\$5,635,842					
÷ All Usage	5,666,216					
Unit Rate (\$/HCF)	\$1.00					



#### Conservation

Conservation costs are recovered over water usage in Single-Family Tier 3, Multi-Family, Non-Residential, and Irrigation. Water conservation programs and incentives aim to mitigate inefficient water usage; therefore, as usage in Tier 3 and the other customer classes reduces, the Conservation revenue requirement adjusts accordingly. Table 51 identifies the Conservation cost allocation and the corresponding unit rate.

Table 51: FY 2025 Water Conservation Unit Rate per HCF

Conservation Component Allocation to Customer Classes					
Customer Class	All Usage	Allocation Factor	Weighted Usage	% Allocation	Revenue Requirement
	[A]	[B]	$[C] = A \times B$	[D] = C as a %	[E] = Rev Req x D
Single-Family	4,044,726	1.00	4,044,726	71.4%	\$1,071,468
Multi-Family	664,539	1.00	664,539	11.7%	\$176,040
Non-Residential	650,164	1.00	650,164	11.5%	\$172,232
Irrigation	306,787	1.00	306,787	5.4%	\$81,269
Total	5,666,216		5,666,216	100.0%	\$1,501,009

<b>Conservation Compor</b>	nent Allocatior	ı to Tiers				
Customer Class	Projected Usage	Allocation Factor	Weighted Usage	% Allocation	Revenue Requirement	Unit Rate
	[F]	[G]	$[H] = F \times G$	[I] = H as a %	[J] = E x l	$[K] = J \div F$
Single-Family						
Tier 1	1,309,140	-	-	0.0%	\$0	\$0.00
Tier 2	2,009,140	-	-	0.0%	\$0	\$0.00
Tier 3	726,447	1.00	726,447	100.0%	\$1,071,468	\$1.48
	4,044,726		726,447	100%	\$1,071,468	
Multi-Family	664,539	1.00	664,539	100.0%	\$176,040	\$0.27
Non-Residential	650,164	1.00	650,164	100.0%	\$172,232	\$0.27
Irrigation	306,787	1.00	306,787	100.0%	\$81,269	\$0.27
Total	5,666,216		2,347,937		\$1,501,009	



#### Revenue Offset

The District is using Tax revenue to specifically offset variable rates for Single-Family, Multi-Family, Non-Residential, and Irrigation. Tax revenues may be used for any purpose and are projected to generate \$1.23M annually. Table 52 identifies the revenue offset amount to each of the customer classes and how the credit was applied to the respective tiers.

The proportional share of revenue offsets to Single-Family was applied 100% to Tier 1 to ensure all customers benefit from the revenue offset. Not all Single-Family customers have usage within the upper tiers and assigning revenue offsets to the higher tiers would cause certain customers to receive limited benefits. However, conversely, customers who use water within the higher tiers would receive the offset for all of their Tier 1 usage. The amount to Multi-Family, Non-Residential, and Irrigation was applied to all usage Table 52 identifies each customer class's share of the Revenue Offset and the impact on their variable rates.

Table 52: FY 2025 Water Revenue Offset Unit Rate per HCF

Revenue Offset Component Allocation to Customer Classes					
Customer Class	All Usage	Allocation	Weighted	%	Revenue
Custoffier Class	All Usage	Factor	Usage	Allocation	Requirement
	[A]	[B]	$[C] = A \times B$	[D] = C as a %	$[E] = Rev Req \times D$
Single-Family	4,044,726	1.00	4,044,726	71.4%	(\$878,013)
Multi-Family	664,539	1.00	664,539	11.7%	(\$144,256)
Non-Residential	650,164	1.00	650,164	11.5%	(\$141,135)
Irrigation	306,787	1.00	306,787	5.4%	(\$66,596)
Total	5,666,216		5,666,216	100.0%	(\$1,230,000)

Revenue Offset Compo	nent Allocati	on to Tiers				
Customer Class	Projected Usage [F]	Allocation Factor [G]	Weighted Usage [H] = F × G	% Allocation [I] = H as a %	Revenue Requirement [J] = E x I	Unit Rate [K] = J ÷ F
Single-Family						
Tier 1	1,309,140	1.00	1,309,140	100.0%	(\$878,013)	(\$0.67)
Tier 2	2,009,140	-	-	0.0%	\$0	\$0.00
Tier 3	726,447	-	-	0.0%	\$0	\$0.00
	4,044,726		1,309,140	100%	(\$878,013)	
Multi-Family	664,539	1.00	664,539	100.0%	(\$144,256)	(\$0.21)
Non-Residential	650,164	1.00	650,164	100.0%	(\$141,135)	(\$0.21)
Irrigation	306,787	1.00	306,787	100.0%	(\$66,596)	(\$0.21)
Total	5,666,216		2,930,630		(\$1,230,000)	

#### **Pumping**

Pumping costs are incurred based on the total volume of water pumped through each zone throughout the year. As mentioned, Pump Zone 1 reflects the pumping costs for water to reach the surface level, which is allocated to Delivery. Every unit of water must pass through Pump Zone 1 before being pumped to the higher elevations. Likewise, every unit of water pumped to Pump Zone 3 must pass through Pump Zone 2. This concept is shown in Table 44. Therefore, the revenue requirement for each zone is apportioned based on the projected total water usage pumped through each zone to determine the unit rate, as shown in Table 53.

Table 53: FY 2025 Water Pumping Cost by Pump Zone Unit Rate per HCF

<b>Pumping Compo</b>	nent Allocatio	on to Zone					
Pumping Zone	Pumping Usage	Usage Charged through Zone	Costs by Zone	% Allocation	Revenue Requirement	Unit Rate	Zone Rate
	[A]	[B]	[C]	[D] = C as a %	[E] = Rev Req x D	$[F] = E \div B$	[G] = Sum of F
Pump Zone 2	2,438,112	3,043,986	\$774,000	85.8%	\$774,000	\$0.26	\$0.26
Pump Zone 3	605,874	605,874	\$128,000	14.2%	\$128,000	\$0.22	\$0.48
Total	5,666,217	9,316,077	\$902,000	100.0%	\$902,000		



### FY 2025 Cost-of-Service Rates – Water Utility

### Proposed FY 2025 Monthly Fixed Charges

The proposed monthly fixed charges for FY 2025 are shown in Table 54, reflecting the combined charges of Fixed Water Supply, Account Services, and Meter Capacity. Fixed Water Supply and Meter Capacity charges increase with the size of the meter in relation to the Capacity Ratios, rounded up to the next whole penny. The proposed monthly dedicated fire line charges for FY 2025 are shown in Table 55. Dedicated fire lines are charged a uniform monthly standby charge comprised of Account Services.

Table 54: FY 2025 Water Fixed Charges by Meter Size

Proposed Fix	ked Charges	s (\$/Month)			
Meter Size	Capacity Ratio	Fixed Water Supply	Account Services	Meter Capacity	FY 2025 Proposed Fixed Charge
	[A]	[B] = \$2.87 × A	[C] = \$15.51	[D] = \$18.77 × A	[E] = B + C + D
≤3/4"	1.00	\$2.87	\$15.51	\$18.77	\$37.15
1"	1.67	\$4.79	\$15.51	\$31.29	\$51.59
1 1/2"	3.33	\$9.57	\$15.51	\$62.57	\$87.65
2"	5.33	\$15.31	\$15.51	\$100.11	\$130.93
3"	10.67	\$30.62	\$15.51	\$200.22	\$246.35
4"	16.67	\$47.84	\$15.51	\$312.84	\$376.19
6"	33.33	\$95.67	\$15.51	\$625.67	\$736.85
8"	53.33	\$153.07	\$15.51	\$1,001.07	\$1,169.65

Table 55: FY 2025 Dedicated Fire Line Charge

Proposed Dedicated Fire Line Charges (\$/Month)			
Connection Size	Account Services	FY 2025 Proposed Dedicated Fire Line Charge	
All Sizes	\$15.51	\$15.51	



### Proposed FY 2025 Commodity Rates

The proposed variable rates for FY 2025 are shown in Table 56 for each customer class and tier, reflecting the combined variable rate components of Water Supply, Delivery, Conservation, and Revenue Offset. The proposed pumping rates by pump zone for FY 2025 are shown in Table 57.

Table 56: FY 2025 Water Commodity Rates by Customer Class and Tier (HCF)

<b>Proposed Commo</b>	dity Rates (\$/H	CF)				
Customer Class & Tier	Tier Definitions (HCF)	Water Supply	Delivery	Conservation	Revenue Offset	FY 2025 Proposed Commodity Rate
		[A]	[B]	[C]	[D]	[E] = A + B + C + D
Single-Family						
Tier 1	0 - 6	\$3.22	\$1.00	\$0.00	(\$0.67)	\$3.55
Tier 2	7 - 27	\$3.49	\$1.00	\$0.00	\$0.00	\$4.49
Tier 3	>27	\$3.49	\$1.00	\$1.48	\$0.00	\$5.97
Multi-Family	Uniform	\$3.40	\$1.00	\$0.27	(\$0.21)	\$4.46
Non-Residential	Uniform	\$3.40	\$1.00	\$0.27	(\$0.21)	\$4.46
Irrigation	Uniform	\$3.40	\$1.00	\$0.27	(\$0.21)	\$4.46

Table 57: FY 2025 Water Pumping Rates by Pump Zone (HCF)

Proposed Pumping Rates (\$/HCF)		
Pumping Zone	FY 2025 Proposed Pumping Rate	
Pump Zone 2	\$0.26	
Pump Zone 3	\$0.48	



### **Recycled Water Utility**

### Recycled Water System

The District owns and operates a separate recycled water distribution system. Recycled water is used for irrigation in parks, medians, and school grounds, and to decrease reliance on imported water. Recycled water is purchased from the Los Angeles County Sanitation District (LACSD) Pomona Water Reclamation plant and is augmented by groundwater from the District's recycled water wells. The District provides recycled water to 330 service connections<sup>5</sup>. The recycled water system consists of 42 miles of water mains, 5 production wells, 2 pump plants, and 3 reservoirs.

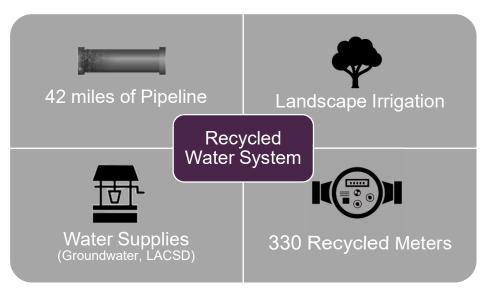


Figure 13: District Recycled Water System

The Capital Improvement Plan (CIP) identified \$6.0M in projects over the next 5 years. The CIP includes projects such as a new non-potable reservoir, pump rehab, meter replacement, and other necessary improvements. The most significant project is the new reservoir (~\$4.0M), which is expected to be debt-financed. A detailed list of projects is shown in Appendix A. Figure 14 shows the selected CIP through FY 2029.

<sup>&</sup>lt;sup>5</sup> Based on FY 2024 billing and consumption data.



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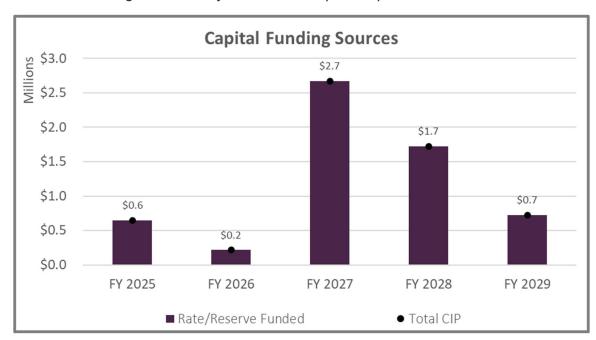


Figure 14: Recycled Water Capital Improvement Plan

### **Customers**

The District serves 330 recycled water meters. Table 58 provides a summary of recycled accounts by meter size.

Table 58: Recycled Water Accounts by Meter Size

Accounts by Meter Size Meter Size	
≤3/4"	23
1"	106
1 1/2"	50
2"	139
3"	5
4"	4
6"	3
8"	-
Total	330

As previously mentioned, the existing rate structure consists of monthly fixed charges and a uniform commodity rate. Current monthly fixed charges are shown in Table 59 followed by current commodity rates shown in Table 60.

Table 59: Existing Recycled Water Fixed Charges

Existing Recycled Fi	xed Charges (\$/Month)
Meter Size	Current Charge
≤3/4"	\$25.14
1"	\$39.64
1 1/2"	\$75.90
2"	\$119.38
3"	\$235.39
4"	\$365.89
6"	\$728.38
8"	\$1,163.36

Table 60: Existing Recycled Commodity Rates (\$/HCF)

Existing Recycled Commodity Rates (\$/HCF)			
Customer Class	Curent Rate		
Recycled	\$2.29		



### **Financial Plan Overview**

### Financial Planning Assumptions

Developing a long-term financial plan requires an understanding of the utility's financial position by evaluating existing revenue streams, ongoing expenses, how those expenses will change over time, existing debt requirements, and reserve policies. With these considerations, certain assumptions are required for projecting revenues, expenses, and expected ending fund balances. Through discussions with staff and their understanding of historical budget data and future obligations, Table 61 identifies assumptions used for forecasting revenues. Table 62 details the number of accounts by meter size over the Rate Setting Period. Table 63 identifies projected consumption by customer class.

Table 61: Recycled Water Assumptions for Forecasting Revenues

Revenue Forecasting					
Key Assumptions	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029
Revenue Escalation					
Reserve Interest	1.5%	1.5%	1.5%	1.5%	1.5%
Account Growth	0.0%	0.0%	0.0%	0.0%	0.0%
Total Meters	330	330	330	330	330
Total Consumption (HCF)	575,000	575,000	575,000	575,000	575,000

Table 62: Recycled Water Accounts by Meter Size

Accounts by Meter S	ize				
Customer Accounts	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029
Recycled					
Meter Size					
≤3/4"	23	23	23	23	23
1"	106	106	106	106	106
1 1/2"	50	50	50	50	50
2"	139	139	139	139	139
3"	5	5	5	5	5
4"	4	4	4	4	4
6"	3	3	3	3	3
8"					
Total All Meters	330	330	330	330	330

Table 63: Recycled Water Projected Consumption by Customer Class (HCF)

Projected Consumption					
Customer Class	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029
Recycled	575,000	575,000	575,000	575,000	575,000
Total Consumption (HCF)	575,000	575,000	575,000	575,000	575,000

Table 64 identifies assumptions used for forecasting increases in expenses over the Rate Setting Period. The Capital and General Costs escalation factors reflect the 5-year average of the Engineering News-Record – Construction Cost Index (ENR CCI) and the Consumer Price Index (CPI), respectively, for the Los Angeles area.

Table 64: Assumptions for Forecasting Expense Requirements

Expense Forecastin	g						
Key Assumptions	Source:		FY 2025	FY 2026	FY 2027	FY 2028	FY 2029
Expenditure Escalation							
Benefits			7.0%	7.0%	7.0%	7.0%	7.0%
Capital Construction	ENR - LA	5-Year Average	3.9%	3.9%	3.9%	3.9%	3.9%
Energy Costs			5.0%	5.0%	5.0%	5.0%	5.0%
General Costs	CPI - LA (BLS)	5-Year Average	3.9%	3.9%	3.9%	3.9%	3.9%
Retirement			4.0%	4.0%	4.0%	4.0%	4.0%
Salaries			7.2%	7.2%	7.2%	7.2%	7.2%
Recycled - Fixed			5.0%	5.0%	5.0%	5.0%	5.0%
Recycled - Variable			5.0%	5.0%	5.0%	5.0%	5.0%

### **Current Financial Position**

#### Revenues

Based on the forecasting assumptions, fixed revenues were calculated by multiplying the existing fixed charges (Table 59) by accounts by meter size and twelve billing periods (Table 62). Variable revenues were calculated using existing commodity rates (Table 60) and projected total water consumption class (Table 63). Table 65 shows the calculated rate revenues through the Rate Setting Period. Table 66 summarizes calculated rate revenues from Table 65 and Operating Revenues and Non-Operating Revenues available through the Rate Setting Period with projections rounded to the nearest thousands.

Table 65: Recycled Water Calculated Rate Revenues

Calculated Rate Revenue					
Fixed Revenue	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029
Base Fixed Charge					
Recycled	\$359,934	\$359,934	\$359,934	\$359,934	\$359,934
Total Base Fixed Charge	\$359,934	\$359,934	\$359,934	\$359,934	\$359,934
Variable Revenue	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029
Recycled	\$1,316,750	\$1,316,750	\$1,316,750	\$1,316,750	\$1,316,750
Total Variable Rate Revenue	\$1,316,750	\$1,316,750	\$1,316,750	\$1,316,750	\$1,316,750
Total Rate Revenue	\$1,676,684	\$1,676,684	\$1,676,684	\$1,676,684	\$1,676,684

Table 66: Recycled Water Projected Revenues

Projected Revenues					
Revenue Summary	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029
Rate Revenues					
Base Fixed Charge	\$360,000	\$360,000	\$360,000	\$360,000	\$360,000
Variable Revenue	\$1,317,000	\$1,317,000	\$1,317,000	\$1,317,000	\$1,317,000
Subtotal Rate Revenues	\$1,677,000	\$1,677,000	\$1,677,000	\$1,677,000	\$1,677,000
Operating Revenues	\$55,000	\$55,000	\$55,000	\$55,000	\$55,000
Non-Operating Revenues	\$19,000	\$19,000	\$19,000	\$19,000	\$19,000
Total Revenues	\$1,751,000	\$1,751,000	\$1,751,000	\$1,751,000	\$1,751,000

#### **Expenses**

The FY 2025 budget was used as the baseline expenses of the utility and adjusted in subsequent years based on the escalation factors shown in Table 64. Table 67 provides projected Operational & Maintenance (O&M) costs through the Rate Setting Period, with future projections rounded to the nearest thousands. Each O&M expense category includes detailed line-item expenditures that were discussed with staff to determine the appropriate escalation factor for forecasting how costs will increase over time.

Table 67: Recycled Water Projected O&M Expenses

0&M Expenses	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029
Water Supply Costs					
Recycled Fixed Water Supply Costs					
Groundwater Supply	\$134,000	\$144,000	\$154,000	\$166,000	\$177,000
Variable Recycled Water Supply Costs					
Purchased Water - WVWD	\$7,000	\$7,000	\$8,000	\$8,000	\$9,000
Purchased Water - LACSD	\$146,000	\$153,000	\$161,000	\$169,000	\$178,000
Subtotal Variable Recycled Water Supply Costs	\$153,000	\$160,000	\$169,000	\$177,000	\$187,000
Total Water Supply Costs	\$287,000	\$304,000	\$323,000	\$343,000	\$364,000
Operating Expenses					
Operations - General (5200)	\$86,000	\$91,000	\$96,000	\$102,000	\$107,000
Operations - Production & Storage (5210)	\$313,000	\$334,000	\$355,000	\$379,000	\$403,000
Operations - Water Quality (5220)	\$6,000	\$6,000	\$7,000	\$7,000	\$7,000
Operations - Valve Maintenance (5230)	\$38,000	\$41,000	\$43,000	\$46,000	\$49,000
Operations - Field Services (5240)	\$74,000	\$79,000	\$84,000	\$90,000	\$96,000
Operations - Customer Service Field (5250)	\$7,000	\$8,000	\$8,000	\$9,000	\$9,000
Operations - Recycled (5290)	\$606,000	\$638,000	\$672,000	\$708,000	\$746,000
Engineering - (5300)	\$126,000	\$134,000	\$143,000	\$152,000	\$162,000
Finance - General (5400)	\$9,000	\$10,000	\$10,000	\$11,000	\$11,000
Finance - Customer Service (5410)	\$12,000	\$13,000	\$14,000	\$14,000	\$15,000
Finance - Accounting (5420)	\$10,000	\$10,000	\$11,000	\$12,000	\$12,000
GM/Governance - Administration (5510)	\$14,000	\$15,000	\$15,000	\$16,000	\$17,000
GM/Governance - BOD (5520)	\$4,000	\$4,000	\$4,000	\$4,000	\$5,000
GM/Governance - Administrative Support (5530)	\$4,000	\$4,000	\$4,000	\$4,000	\$5,000
Adm. Services - HR/Risk Mgmt. (5610)	\$86,000	\$91,000	\$95,000	\$100,000	\$105,000
Adm. Services - IT (5620)	\$50,000	\$52,000	\$55,000	\$58,000	\$61,000
Adm. Services - Cons. & Public Info. (5630)	\$13,000	\$14,000	\$15,000	\$16,000	\$17,000
Adm. Services - General Services (5640)	\$79,000	\$83,000	\$88,000	\$93,000	\$99,000
General Administration (5700)	\$59,000	\$62,000	\$64,000	\$67,000	\$70,000
			4	4	
Total Operating Expenses	\$1,596,000	\$1,689,000	\$1,783,000	\$1,888,000	\$1,996,000



#### Reserves

Established reserves include the Operating and Replacement Reserve. Table 68 summarizes the existing minimum reserve requirements and ideal targets of each reserve.

Table 68: Existing Recycled Water Reserve Requirements and Targets

Reserve	Minimum Requirement	Reserve Target
Operating	60 Days of Operating	60 Days of Operating
Replacement	5 years of Asset R&R Plan	10 years of Asset R&R Plan

#### Reserve Adjustments

The existing reserve requirements were evaluated as part of the financial planning process and the adjustments discussed for the water utility were also applied to recycled water.

Table 69 summarizes the revised minimum reserve requirements and ideal funding targets.

Table 69: Proposed Recycled Water Reserve Requirements and Targets

Reserve	Minimum Requirement	Reserve Target
Operating	60 Days of Operating	90 Days of Operating
Replacement	2 years of 5-year CIP average	4 years of 5-year CIP average

The beginning total recycled water reserve balance for FY 2025 (July 1, 2024), is \$1.98M.



### Financial Outlook at Existing Rates

Calculating revenue using existing rates and projecting expenses helps determine the current financial health of the utility. Revenues from current rates are not sufficient to cover operating expenses. In addition, capital spending would require using reserves as the primary funding source, which is not sustainable in the long-term. Table 70 forecasts existing revenues and expenses through the Rate Setting Period. Table 71 identifies reserve transfers and reserve activity, with FY 2025 starting reserve balances shown for each reserve.

Table 70: Recycled Water Financial Plan at Existing Rates

Financial Plan at Existing Rates						
Revenue		FY 2025	FY 2026	FY 2027	FY 2028	FY 2029
Rate Revenues						
Base Fixed Charge	Table 66	\$360,000	\$360,000	\$360,000	\$360,000	\$360,000
Variable Revenue		\$1,317,000	\$1,317,000	\$1,317,000	\$1,317,000	\$1,317,000
Total Rate Revenues		\$1,677,000	\$1,677,000	\$1,677,000	\$1,677,000	\$1,677,000
Operating Revenues	Table 66	\$55,000	\$55,000	\$55,000	\$55,000	\$55,000
Non-Operating Revenues		\$19,000	\$19,000	\$19,000	\$19,000	\$19,000
Total Revenues		\$1,751,000	\$1,751,000	\$1,751,000	\$1,751,000	\$1,751,000
O&M Expenses		FY 2025	FY 2026	FY 2027	FY 2028	FY 2029
Water Supply Costs						
Recycled Fixed Water Supply Costs						
Groundwater Supply	Table 67	\$134,000	\$144,000	\$154,000	\$166,000	\$177,000
Variable Recycled Water Supply Costs						
Purchased Water - WVWD	Table 67	\$7,000	\$7,000	\$8,000	\$8,000	\$9,000
Purchased Water - LACSD	Tuble 07	\$146,000	\$153,000	\$161,000	\$169,000	\$178,000
Subtotal Variable Recycled Water Supply Costs		\$153,000	\$160,000	\$169,000	\$177,000	\$187,000
Total Water Supply Costs		\$287,000	\$304,000	\$323,000	\$343,000	\$364,000
Operating Expenses		Ψ201/000	Ç50 1,000	<i>\$</i> 323,333	φο .ο,οοο	φου 1,000
Operations - General (5200)	Table 67	\$86,000	\$91,000	\$96,000	\$102,000	\$107,000
Operations - Production & Storage (5210)	Table 07	\$313,000	\$334,000	\$355,000	\$379,000	\$403,000
Operations - Production & Storage (3210)  Operations - Water Quality (5220)		\$6,000	\$6,000	\$353,000	\$7,000	\$7,000
Operations - Valve Maintenance (5230)		\$38,000	\$41,000	\$43,000	\$46,000	\$49,000
Operations - Valve Maintenance (3230)  Operations - Field Services (5240)		\$74,000	\$79,000	\$84,000	\$90,000	\$96,000
Operations - Customer Service Field (5250)		\$7,000	\$8,000	\$8,000	\$9,000	\$9,000
Operations - Customer Service Held (3230)  Operations - Recycled (5290)		\$606,000	\$638,000	\$672,000	\$708,000	\$746,000
Engineering - (5300)		\$126,000	\$134,000	\$143,000	\$152,000	\$162,000
Finance - General (5400)		\$9,000	\$134,000	\$143,000	\$132,000	\$102,000
, ,			\$10,000	\$10,000		\$11,000
Finance - Customer Service (5410)		\$12,000			\$14,000	
Finance - Accounting (5420)		\$10,000	\$10,000	\$11,000	\$12,000	\$12,000
GM/Governance - Administration (5510)		\$14,000	\$15,000	\$15,000	\$16,000	\$17,000
GM/Governance - BOD (5520)		\$4,000	\$4,000	\$4,000	\$4,000	\$5,000
GM/Governance - Administrative Support (5530)		\$4,000	\$4,000	\$4,000	\$4,000	\$5,000
Adm. Services - HR/Risk Mgmt. (5610)		\$86,000	\$91,000	\$95,000	\$100,000	\$105,000
Adm. Services - IT (5620)		\$50,000	\$52,000	\$55,000	\$58,000	\$61,000
Adm. Services - Cons. & Public Info. (5630)		\$13,000	\$14,000	\$15,000	\$16,000	\$17,000
Adm. Services - General Services (5640)		\$79,000	\$83,000	\$88,000	\$93,000	\$99,000
General Administration (5700) Total Operating Expenses		\$59,000 \$1,596,000	\$62,000 \$1,689,000	\$64,000 \$1,783,000	\$67,000 \$1,888,000	\$70,000 \$1,996,000
		\$1,330,000	\$1,003,000	<b>31,703,000</b>	\$1,000,000	\$1,330,000
Debt Service New/Proposed Debt		\$0	\$0	\$0	\$0	\$0
			·			
Total Expenses		\$1,883,000	\$1,993,000	\$2,106,000	\$2,231,000	\$2,360,000
Net Operating Income	(Revenues - Expenses)	(\$132,000)	(\$242,000)	(\$355,000)	(\$480,000)	(\$609,000)

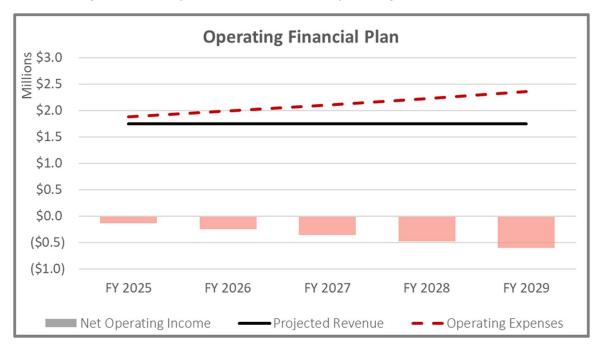


Table 71: Recycled Water Reserve Activity at Existing Rates

Reserve Activity at Existing Ra	ites					
Operating		FY 2025	FY 2026	FY 2027	FY 2028	FY 2029
Beginning Balance		\$225,000	\$93,000	(\$149,000)	(\$504,000)	(\$984,000)
Transfers (Net Operating Income)	Table 70	(\$132,000)	(\$242,000)	(\$355,000)	(\$480,000)	(\$609,000)
Ending Balance		\$93,000	(\$149,000)	(\$504,000)	(\$984,000)	(\$1,593,000)
Replacement		FY 2025	FY 2026	FY 2027	FY 2028	FY 2029
Beginning Balance		\$1,750,000	\$1,124,398	\$922,837	(\$1,750,963)	(\$3,475,963)
Less:						
CIP		(\$647,000)	(\$216,800)	(\$2,673,800)	(\$1,725,000)	(\$726,600)
Subtotal Replacement		\$1,103,000	\$907,598	(\$1,750,963)	(\$3,475,963)	(\$4,202,563)
Interest Earnings		\$21,398	\$15,240	\$0	\$0	\$0
Ending Balance		\$1,124,398	\$922,837	(\$1,750,963)	(\$3,475,963)	(\$4,202,563)
Total Ending Balance		\$1,217,398	\$773,837	(\$2,254,963)	(\$4,459,963)	(\$5,795,563)

Figure 15 illustrates the operating position of the utility, where O&M expenses are identified with the dashed red trendline, and the horizontal black trendline shows total revenues at existing rates. The bars represent the net operating income, with grey bars reflecting positive net income for capital spending and reserve funding and red bars reflecting an operating deficit absorbed by reserves.

Figure 15: Recycled Water Current Operating Financial Position





Capital spending over the Rate Setting Period is approximately \$6.0M, as shown in Figure 14. Without increases in rate revenue, the recycled water reserves would be depleted by FY 2027, and funding would not be available for the CIP. Figure 16 reflects the projected ending balances of reserves after funding operating and capital projects.

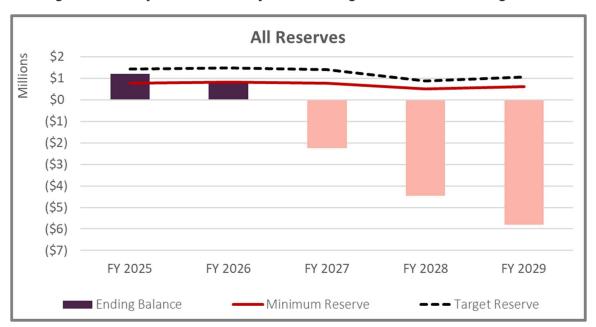


Figure 16: Recycled Water Projected Ending Reserves at Existing Rates

#### Proposed Financial Plan - Recycled Water Utility

Based on our review of the utility's financial outlook at existing rates, a proposed financial plan was developed to fund the multi-year revenue requirements. The proposed financial plan increases rate revenue each year to generate approximately \$1.4M in additional rate revenue by the end of FY 2029. Table 72 forecasts projected revenues, *with annual revenue adjustments*, and expenses through FY 2029. In addition, \$4.0M of capital costs are expected to be debt-financed through a bond issue in FY 2027, with the first payment occurring in FY 2028. This allows rates to increase steadily over the five-year period to cover capital spending in FY 2029 on a pay-as-you-go basis. However, the District's financial advisor will determine the specific terms and timing of the bond. Table 73 identifies the projected FY 2025 total starting reserve balances, activity within each reserve (including net operating income transfer from Table 72, transfers between reserves, and annual CIP), and projected ending balances for each fiscal year of the Rate Setting Period. This proposed financial plan generates sufficient rate revenues to fund the reserves above the minimum requirement.



Table 72: Recycled Water Proposed Financial Plan

Proposed Financia	al Plan							
Revenue	it real			FY 2025	FY 2026	FY 2027	FY 2028	FY 2029
Rate Revenues				112023	112020	112021	112020	112023
Base Fixed Charge			Table 66	\$360,000	\$360,000	\$360,000	\$360,000	\$360,000
Variable Revenue			Table 00	\$1,317,000	\$1,317,000	\$1,317,000	\$1,317,000	\$1,317,000
Total Rate Revenues				\$1,677,000	\$1,677,000	\$1,677,000	\$1,677,000	\$1,677,000
				Ç1,077,000	\$1,077,000	71,077,000	Ç1,077,000	71,077,000
Additional Revenue (fro	m revenue adjus	tments):						
Fiscal Year	Revenue	Effective						
riscai feai	Adjustment	Month						
FY 2025	14.0%	January		\$117,000	\$234,000	\$234,000	\$234,000	\$234,000
FY 2026	14.0%	January			\$133,000	\$267,000	\$267,000	\$267,000
FY 2027	14.0%	January				\$152,000	\$304,000	\$304,000
FY 2028	14.0%	January					\$173,000	\$347,000
FY 2029	14.0%	January						\$198,000
Total Additional Revenu	е			\$117,000	\$367,000	\$653,000	\$978,000	\$1,350,000
Projected Rate Revenue	(includ	ing revenue adjustn	nents)	\$1,794,000	\$2,044,000	\$2,330,000	\$2,655,000	\$3,027,000
Operating Revenues			Table 66	\$55,000	\$55,000	\$55,000	\$55,000	\$55,000
Non-Operating Revenue	!S			\$19,000	\$19,000	\$19,000	\$19,000	\$19,000
Total Revenues				\$1,868,000	\$2,118,000	\$2,404,000	\$2,729,000	\$3,101,000
0&M Expenses				FY 2025	FY 2026	FY 2027	FY 2028	FY 2029
Water Supply Costs								
Recycled Fixed Water	Supply Costs							
Groundwater Supply			Table 67	\$134,000	\$144,000	\$154,000	\$166,000	\$177,000
Variable Recycled Wa								
Purchased Water - \			Table 67	\$7,000	\$7,000	\$8,000	\$8,000	\$9,000
Purchased Water - L			Table 07	\$146,000	\$153,000	\$161,000	\$169,000	\$178,000
Subtotal Variable Recyc		v Costs		\$153,000	\$160,000	\$169,000	\$177,000	\$187,000
Total Water Supply Cost		,		\$287,000	\$304,000	\$323,000	\$343,000	\$364,000
Operating Expenses	(5200)		Table 67	¢9C 000	¢01.000	¢0.c.000	¢102.000	¢107.000
Operations - General Operations - Productions	. ,	10)	Table 67	\$86,000 \$313,000	\$91,000 \$334,000	\$96,000 \$355,000	\$102,000 \$379,000	\$107,000 \$403,000
Operations - Water Q		10)		\$6,000	\$554,000	\$355,000	\$379,000	\$403,000
Operations - Valve Ma		1)		\$38,000	\$41,000	\$43,000	\$46,000	\$49,000
Operations - Field Ser	,	,,		\$74,000	\$79,000	\$84,000	\$90,000	\$96,000
Operations - Custome		(250)		\$7,000	\$8,000	\$8,000	\$9,000	\$9,000
Operations - Recycled	,	,230)		\$606,000	\$638,000	\$672,000	\$708,000	\$746,000
Engineering - (5300)	(3230)			\$126,000	\$134,000	\$143,000	\$152,000	\$162,000
Finance - General (54)	20)			\$9,000	\$10,000	\$10,000	\$11,000	\$11,000
Finance - Customer Se	•			\$12,000	\$13,000	\$14,000	\$14,000	\$15,000
Finance - Accounting (	. ,			\$10,000	\$10,000	\$11,000	\$12,000	\$12,000
GM/Governance - Adr		.0)		\$14,000	\$15,000	\$15,000	\$16,000	\$17,000
GM/Governance - BO		,		\$4,000	\$4,000	\$4,000	\$4,000	\$5,000
GM/Governance - Adr	, ,	ort (5530)		\$4,000	\$4,000	\$4,000	\$4,000	\$5,000
Adm. Services - HR/Ri				\$86,000	\$91,000	\$95,000	\$100,000	\$105,000
Adm. Services - IT (56				\$50,000	\$52,000	\$55,000	\$58,000	\$61,000
Adm. Services - Cons.		630)		\$13,000	\$14,000	\$15,000	\$16,000	\$17,000
Adm. Services - Gener				\$79,000	\$83,000	\$88,000	\$93,000	\$99,000
General Administration	,	•		\$59,000	\$62,000	\$64,000	\$67,000	\$70,000
Total Operating Expense				\$1,596,000	\$1,689,000	\$1,783,000	\$1,888,000	\$1,996,000
Debt Service								
New/Proposed Debt				\$0	\$0	\$0	\$296,000	\$296,000
Total Expenses				\$1,883,000	\$1,993,000	\$2,106,000	\$2,527,000	\$2,656,000
Net Operating Incom	e		(Revenues - Expenses)	(\$15,000)	\$125,000	\$298,000	\$202,000	\$445,000
operating meon			,,	(713,000)	Q123,000	7230,000	Q202,000	7 1 73,000

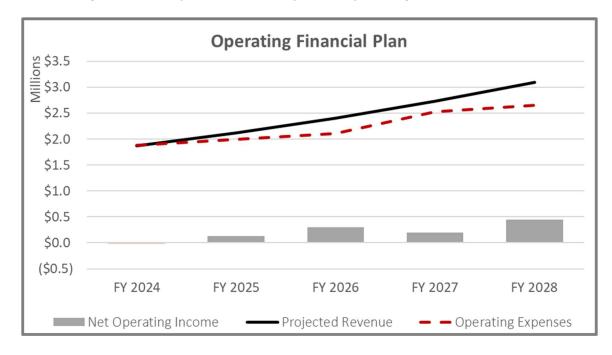


Table 73: Recycled Water Proposed Transfers and Reserves Activity

Rese	erve Activity at Proposed Rate	S					
Line #	Operating		FY 2025	FY 2026	FY 2027	FY 2028	FY 2029
	Beginning Balance		\$225,000	\$210,000	\$277,644	\$293,096	\$310,356
2	Transfers (Net Operating Income)	Table 72	(\$15,000)	\$125,000	\$298,000	\$202,000	\$445,000
3	Transfers from/(to) Replacement		\$0	(\$57,356)	(\$282,548)	(\$184,740)	(\$427,247)
4	Ending Balance		\$210,000	\$277,644	\$293,096	\$310,356	\$328,110
	Replacement		FY 2025	FY 2026	FY 2027	FY 2028	FY 2029
	Beginning Balance		\$1,750,000	\$1,124,398	\$980,624	\$2,616,147	\$1,103,577
6	Plus:						
	Transfers from/(to) Operating	Line 3	\$0	\$57,356	\$282,548	\$184,740	\$427,247
	New Debt Proceeds		\$0	\$0	\$4,000,000	\$0	\$0
9	Less:						
	CIP		(\$647,000)	(\$216,800)	(\$2,673,800)	(\$1,725,000)	(\$726,600)
	Subtotal Replacement		\$1,103,000	\$964,954	\$2,589,372	\$1,075,886	\$804,223
12	Interest Earnings		\$21,398	\$15,670	\$26,775	\$27,690	\$14,308
	Ending Balance		\$1,124,398	\$980,624	\$2,616,147	\$1,103,577	\$818,532
14	Total Ending Balance		\$1,334,398	\$1,258,268	\$2,909,243	\$1,413,933	\$1,146,641

The operating position based on the proposed financial plan is identified in Figure 17. Figure 18 and Figure 19 show the capital plan with funding sources and projected ending reserve balances, respectively.

Figure 17: Recycled Water Proposed Operating Financial Position





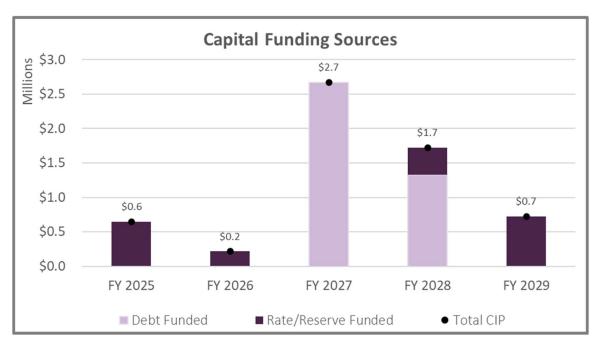
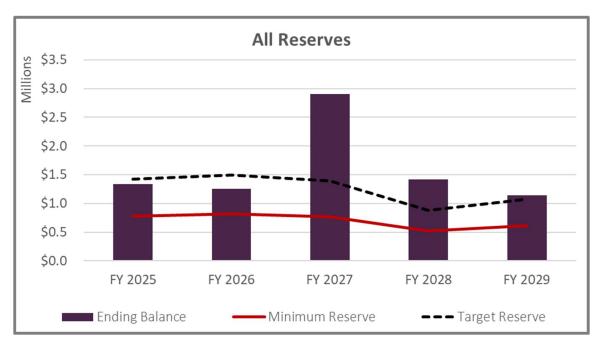


Figure 18: Recycled Water Capital Improvement Plan with Funding Sources





### Cost-of-Service Analysis - Recycled Water Utility

#### Cost-of-Service Process

The next step in developing recycled water rates is to perform a cost-of-service analysis. Through this process, costs incurred are allocated to customers based on their proportional share. As a result, the proposed rates are cost-based and reflect the cost incurred to provide service to customers.

#### Revenue Requirements

With FY 2025 as the first year of the proposed rate schedule, revenue requirements are determined for FY 2025 and used for the cost-of-service. Revenue requirements include O&M expenses, available offsets from other operating and non-operating revenues, annual net income, and any mid-year adjustments if rates are implemented after the start of the fiscal year. The mid-year adjustment annualizes the proposed revenue adjustment to account for the time elapsed before new rates take effect to connect to the annual units of service used within this report for deriving rates. The proposed revenue adjustments and corresponding rates generate the necessary funding over the Rate Setting Period to fund total revenue requirements, including the capital spending plan, and satisfy the minimum reserve requirements. The results of the financial plan analysis are summarized in Table 74 and represent the revenue required from rates over the Rate Setting Period.



Table 74: Recycled Water Revenue Requirements

Rate Setting Period	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029
Revenue Requirements	Total	Total	Total	Total	Total
Water Supply Costs					
Recycled Fixed Water Supply Costs					
Groundwater Supply	\$134,000	\$144,000	\$154,000	\$166,000	\$177,000
Variable Recycled Water Supply Costs					
Purchased Water - WVWD	\$7,000	\$7,000	\$8,000	\$8,000	\$9,000
Purchased Water - LACSD	\$146,000	\$153,000	\$161,000	\$169,000	\$178,000
Total Water Supply Costs	\$287,000	\$304,000	\$323,000	\$343,000	\$364,000
Operating Expenses					
Operations - General (5200)	\$86,000	\$91,000	\$96,000	\$102,000	\$107,000
Operations - Production & Storage (5210)	\$313,000	\$334,000	\$355,000	\$379,000	\$403,000
Operations - Water Quality (5220)	\$6,000	\$6,000	\$7,000	\$7,000	\$7,000
Operations - Valve Maintenance (5230)	\$38,000	\$41,000	\$43,000	\$46,000	\$49,000
Operations - Field Services (5240)	\$74,000	\$79,000	\$84,000	\$90,000	\$96,000
Operations - Customer Service Field (5250)	\$7,000	\$8,000	\$8,000	\$9,000	\$9,000
Operations - Recycled (5290)	\$606,000	\$638,000	\$672,000	\$708,000	\$746,000
Engineering - (5300)	\$126,000	\$134,000	\$143,000	\$152,000	\$162,000
Finance - General (5400)	\$9,000	\$10,000	\$10,000	\$11,000	\$11,000
Finance - Customer Service (5410)	\$12,000	\$13,000	\$14,000	\$14,000	\$15,000
Finance - Accounting (5420)	\$10,000	\$10,000	\$11,000	\$12,000	\$12,000
GM/Governance - Administration (5510)	\$14,000	\$15,000	\$15,000	\$16,000	\$17,000
GM/Governance - BOD (5520)	\$4,000	\$4,000	\$4,000	\$4,000	\$5,000
GM/Governance - Administrative Support (5530)	\$4,000	\$4,000	\$4,000	\$4,000	\$5,000
Adm. Services - HR/Risk Mgmt. (5610)	\$86,000	\$91,000	\$95,000	\$100,000	\$105,000
Adm. Services - IT (5620)	\$50,000	\$52,000	\$55,000	\$58,000	\$61,000
Adm. Services - Cons. & Public Info. (5630)	\$13,000	\$14,000	\$15,000	\$16,000	\$17,000
Adm. Services - General Services (5640)	\$79,000	\$83,000	\$88,000	\$93,000	\$99,000
General Administration (5700)	\$59,000	\$62,000	\$64,000	\$67,000	\$70,000
Total Operating Expenses	\$1,596,000	\$1,689,000	\$1,783,000	\$1,888,000	\$1,996,000
Debt Service					
New/Proposed Debt	\$0	\$0	\$0	\$296,000	\$296,000
Other Funding					
Revenue Offsets					
Operating Revenues	(\$55,000)	(\$55,000)	(\$55,000)	(\$55,000)	(\$55,000)
Non-Operating Revenues	(\$19,000)	(\$19,000)	(\$19,000)	(\$19,000)	(\$19,000)
Total Revenue Offsets	(\$74,000)	(\$74,000)	(\$74,000)	(\$74,000)	(\$74,000)
Adjustments					
Reserve Funding	(\$15,000)	\$125,000	\$298,000	\$202,000	\$445,000
Adjustment for Mid-Year Increase	\$117,000	\$133,000	\$152,000	\$173,000	\$198,000
Total Adjustments	\$102,000	\$258,000	\$450,000	\$375,000	\$643,000
Total Other Funding	\$28,000	\$184,000	\$376,000	\$301,000	\$569,000
Revenue Requirement from Rates	\$1,911,000	\$2,177,000	\$2,482,000	\$2,828,000	\$3,225,000



#### Rate Design - Recycled Water Utility

All water-related customers are charged the same monthly fixed charge across the entire District because the District's fixed costs do not vary based on location or type of water service. Therefore, recycled water fixed charges are equivalent to potable water. The amount of annual revenues generated by the fixed charges for each fiscal year are determined and then used to derive commodity rates to cover the remaining revenue requirements for the Rate Setting Period.

#### <u>Fixed Cost Recovery</u>

Table 75 derives the recycled water fixed charges based on the water fixed charges over the Rate Setting Period and calculates the total revenue generated by the proposed fixed charges. Fixed revenues were calculated by multiplying the fixed charges by the accounts by meter size (shown in Table 58) and twelve billing periods.

Proposed Recycled Fixed Charges (\$/Month) FY 2025 Meter Size FY 2026 FY 2027 FY 2028 FY 2029 # of Meters ≤3/4" 23 \$37.15 \$41.98 \$47.44 \$53.61 \$60.58 1" \$51.59 \$65.88 \$74.45 106 \$58.30 \$84.13 1 1/2" \$87.65 \$99.05 \$111.93 \$126.49 \$142.94 50 139 \$130.93 \$147.96 \$167.20 \$188.94 \$213.51 3" 5 \$246.35 \$278.38 \$314.57 \$355.47 \$401.69 4" \$425.10 4 \$376.19 \$480.37 \$542.82 \$613.39 6" 3 \$736.85 \$832.65 \$940.90 \$1,063.22 \$1,201.44 8" \$1,169.65 \$1,321.71 \$1,493.54 \$1,687.71 \$1,907.12 Total Fixed Revenue 330 \$383,078 \$432,638 \$488,900 \$552,473 \$624,315

Table 75: Proposed Recycled Water Fixed Charges & Revenue

#### Variable Cost Recovery

Table 76 derives the proposed recycled water commodity rates by taking the total revenue requirement identified in Table 74 and reducing the amount by the total fixed revenue calculated in Table 75. The net amount is divided by total recycled water sales (Table 63) to determine the recycled water commodity rate for the Rate Setting Period.



Table 76: Proposed Recycled Water Commodity Rates (\$/HCF)

Proposed Recycled Commodity Rates (\$/HCF)								
Variable Rate Analysis	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029			
Recycled Revenue Requirement	\$1,911,000	\$2,177,000	\$2,482,000	\$2,828,000	\$3,225,000			
Less: Projected Revenue from Fixed	(\$383,078)	(\$432,638)	(\$488,900)	(\$552,473)	(\$624,315)			
Variable Revenue Requirement	\$1,527,922	\$1,744,362	\$1,993,100	\$2,275,527	\$2,600,685			
÷ Units of Service (Projected Recycled Usage)	575,000	575,000	575,000	575,000	575,000			
Proposed Recycled Water Commodity Rates	\$2.66	\$3.04	\$3.47	\$3.96	\$4.53			



#### Cost-Based Rates – Water and Recycled Water

#### Cost-of-Service and Rate Summary

The comprehensive cost-of-service analysis and rate development meet the requirements of Proposition 218 and identify the cost components that make up the proposed water and recycled water fixed charges and variable rates. Proposition 218 requires the following conditions:

- 1. An agency cannot collect revenue beyond what is necessary to provide service.

  The long-term financial plan identifies the District's revenue requirements for each utility, including operating expenses, capital improvement programs, debt, and reserves.
- 2. Revenues derived by the charge shall not be used for any other purpose other than that for which the charge was imposed.
  - The District's water and recycled water utilities are analyzed as separate business enterprises to track revenues and expenses and do not fund services other than those necessary for each enterprise.
- 3. The amount of the fee may not exceed the proportional cost-of-service for the parcel.
  - The comprehensive cost-of-service analysis, updated fixed charges, and commodity rates reflect each customer's fair share of water and recycled water costs, respectively. Through this updated analysis, each customer will pay the proportional cost of providing service to that parcel.
- 4. No charge may be imposed for a service unless that service is actually used or immediately available to the owner of a property.
  - Only properties that are actually receiving utility service or have service immediately available to them are required to pay the fixed and commodity charges described in this study.
- 5. A written notice of the proposed charge shall be mailed to the record owner of each parcel at least 45 days prior to the public hearing.
  - Notices were mailed to each affected parcel owner at least 45 days before the November 14, 2024, Public Hearing.

The proposed water and recycled water 5-year rate schedule (FY 2025 through FY 2029) is shown in the following section. If a majority protest does not occur by or at the November 14, 2024, Public Hearing, the District Board may adopt the rates with an effective date of January 1, 2025, and each January 1<sup>st</sup> thereafter.



#### 5-Year Rate Schedules

#### Water

Table 77 and Table 78 provide the 5-year water rate schedule over the Rate Setting Period for monthly fixed charges and dedicated fire line charges, respectively. Table 79 and Table 80 provide the 5-year rate schedule for water commodity rates and pumping rates, respectively. For FY 2026 through FY 2029, the revenue adjustments are applied across the board to the cost-of-service rates derived for FY 2025 to maintain the proportionality of the cost allocations between customers derived within this updated cost-of-service analysis.

Table 77: Proposed Water Fixed Charge (FY 2025 – FY 2029)

Revenue Adjustment		13.0%	13.0%	13.0%	13.0%
Proposed F	ixed Chargo	es (\$/Month	٦)		
Meter Size	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029
≤3/4"	\$37.15	\$41.98	\$47.44	\$53.61	\$60.58
1"	\$51.59	\$58.30	\$65.88	\$74.45	\$84.13
1 1/2"	\$87.65	\$99.05	\$111.93	\$126.49	\$142.94
2"	\$130.93	\$147.96	\$167.20	\$188.94	\$213.51
3"	\$246.35	\$278.38	\$314.57	\$355.47	\$401.69
4"	\$376.19	\$425.10	\$480.37	\$542.82	\$613.39
6"	\$736.85	\$832.65	\$940.90	\$1,063.22	\$1,201.44
8"	\$1,169.65	\$1,321.71	\$1,493.54	\$1,687.71	\$1,907.12

Table 78: Proposed Dedicated Fire Line Charge (FY 2025 – FY 2029)

Revenue Adjustment		13.0%	13.0%	13.0%	13.0%
Proposed D	edicated F	ire Line Cha	irges (\$/Mo	nth)	
Connection Size	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029
All Sizes	\$15.51	\$17.53	\$19.81	\$22.39	\$25.31



Table 79: Proposed Water Commodity Rates (FY 2025 – FY 2029)

Revenue Adjustmen	t		13.0%	13.0%	13.0%	13.0%
Proposed Comi	modity Rates	s (\$/HCF)				
Customer Class	Tier Definitions	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029
Single-Family						_
Tier 1	0 - 6 HCF	\$3.55	\$4.02	\$4.55	\$5.15	\$5.82
Tier 2	7 - 27 HCF	\$4.49	\$5.08	\$5.75	\$6.50	\$7.35
Tier 3	>27 HCF	\$5.97	\$6.75	\$7.63	\$8.63	\$9.76
Multi-Family	Uniform	\$4.46	\$5.04	\$5.70	\$6.45	\$7.29
Non-Residential	Uniform	\$4.46	\$5.04	\$5.70	\$6.45	\$7.29
Irrigation	Uniform	\$4.46	\$5.04	\$5.70	\$6.45	\$7.29

Table 80: Proposed Pumping Rates (FY 2025 – FY 2029)

Revenue Adjustmen	t	13.0%	13.0%	13.0%	13.0%
Proposed Pum	ping Rates (	(\$/HCF)			
Pumping Zone	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029
Pump Zone 2	\$0.26	\$0.30	\$0.34	\$0.39	\$0.45
Pump Zone 3	\$0.48	\$0.55	\$0.63	\$0.72	\$0.82

#### **Recycled Water**

Table 81 and Table 82 provide the 5-year recycled water fixed charges and commodity rates over the Rate Setting Period, respectively. For FY 2025 through FY 2029, fixed charges are 100% of potable rates and the remaining revenue requirements for recycled water services are recovered from the variable rates.



Table 81: Proposed Recycled Water Fixed Charge (FY 2025 – FY 2029)

Proposed Re	Proposed Recycled Fixed Charges (\$/Month)								
Meter Size	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029				
≤3/4"	\$37.15	\$41.98	\$47.44	\$53.61	\$60.58				
1"	\$51.59	\$58.30	\$65.88	\$74.45	\$84.13				
1 1/2"	\$87.65	\$99.05	\$111.93	\$126.49	\$142.94				
2"	\$130.93	\$147.96	\$167.20	\$188.94	\$213.51				
3"	\$246.35	\$278.38	\$314.57	\$355.47	\$401.69				
4"	\$376.19	\$425.10	\$480.37	\$542.82	\$613.39				
6"	\$736.85	\$832.65	\$940.90	\$1,063.22	\$1,201.44				
8"	\$1,169.65	\$1,321.71	\$1,493.54	\$1,687.71	\$1,907.12				

Table 82: Proposed Recycled Water Commodity Rates (FY 2025 – FY 2029)

Proposed Recycled	Proposed Recycled Commodity Rates (\$/HCF)						
Customer Class	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029		
Recycled	\$2.66	\$3.04	\$3.47	\$3.96	\$4.53		



### Appendix A - Capital Improvement Plan

Table 83 identifies assumptions used for inflating water Asset R&R and Capital Improvement CIP costs over the Rate Setting Period. The same capital escalation factor shown in Table 20 reflecting the 5-year average of the ENR CCI for the Los Angeles area was used to calculate a cumulative inflationary factor. Project costs in the Asset R&R CIP have already been inflated by District staff; however, new projects in the Capital Improvement CIP are uninflated starting in FY 2028. The subtotal of the CIP costs for each fiscal year was multiplied by the corresponding cumulative inflationary factor to calculate the total inflated CIP costs. Table 84 shows the projects within the selected capital plans for the water utility.

Table 83: Assumptions for Forecasting Water CIP

Key Assumptions	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029
Capital Inflation	3.9%	3.9%	3.9%	3.9%	3.9%
Cumulative Inflationary Factor	100.0%	100.0%	100.0%	100.0%	100.0%

Capital Improvement Forecasting							
Key Assumptions	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029		
Capital Inflation	3.9%	3.9%	3.9%	3.9%	3.9%		
Cumulative Inflationary Factor	100.0%	100.0%	100.0%	103.9%	108.0%		



Table 84: Detailed Water CIP

Asset R&R					
Project Description	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029
Potable Water					
Reservoir Coating - Exterior	\$651,600	\$0	\$370,500	\$662,500	\$0
Pump Rehab Costs	\$118,300	\$394,800	\$376,200	\$35,300	\$471,900
Mixers	\$358,600	\$273,600	\$106,800	\$36,600	\$188,500
Pipeline Replacements	\$125,000	\$204,000	\$254,700	\$310,700	\$372,400
Vehicles & Equipment	\$276,000	\$285,600	\$277,300	\$327,300	\$378,800
IT Replacement	\$0	\$162,800	\$52,800	\$109,000	\$395,700
SCADA	\$56,175	\$0	\$0	\$0	\$0
PRV	\$408,400	\$246,900	\$256,800	\$264,500	\$269,800
Asphalt	\$1,000,000	\$0	\$100,000	\$103,000	\$106,100
Operations Specific	\$1,113,000	\$315,000	\$818,400	\$337,400	\$868,300
One Time Expenses	\$2,392,000	\$1,040,000	\$1,460,000	\$0	\$0
Subtotal Scenario 1 - Asset R&R	\$6,499,075	\$2,922,700	\$4,073,500	\$2,186,300	\$3,051,500
Asset R&R Total Costs	\$6,499,075	\$2,922,700	\$4,073,500	\$2,186,300	\$3,051,500

Total CIP (Asset R&R + New CIP)	\$31,999,075	\$5,422,700	\$11,573,500	\$2,705,958	\$3,591,590
New CIP Total Costs	\$25,500,000	\$2,500,000	\$7,500,000	\$519,658	\$540,090
Subtotal Scenario 1 - New CIP	\$25,500,000	\$2,500,000	\$7,500,000	\$500,000	\$500,000
New Projects	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000
New District Headquarters	\$25,000,000	\$2,000,000	\$7,000,000	\$0	\$0
Potable Water					
Project Description	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029
New CIP					

Project costs in the recycled water CIP have already been inflated by District staff, so no inflationary factor was applied, as shown in Table 85. Table 86 show the projects within the selected capital plans for the recycled water utility.

Table 85: Assumptions for Forecasting Recycled Water CIP

CIP Forecasting					
Key Assumptions	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029
Capital Inflation	3.9%	3.9%	3.9%	3.9%	3.9%
Cumulative Inflationary Factor	100.0%	100.0%	100.0%	100.0%	100.0%



Table 86: Detailed Recycled Water CIP

Recycled CIP					
Project Description	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029
Pump Rehab Costs	\$0	\$216,800	\$56,400	\$0	\$179,400
Meter Replacement	\$0	\$0	\$617,400	\$0	\$0
Asphalt	\$0	\$0	\$0	\$0	\$212,200
One Time & Non-Potable Reservoir	\$647,000	\$0	\$2,000,000	\$1,725,000	\$335,000
Subtotal Recycled CIP	\$647,000	\$216,800	\$2,673,800	\$1,725,000	\$726,600
Recycled CIP Total Costs	\$647,000	\$216,800	\$2,673,800	\$1,725,000	\$726,600



## **Appendix B – Water Supply Analysis**

Table 87: Water Supply Analysis



Table 88: Water Supply Summary

Water Supply Summary					
Water Supply Costs	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029
Potable Fixed Water Supply Costs					
Old Baldy - Fixed	\$122,000	\$132,000	\$143,000	\$154,000	\$167,000
LHHCWD	\$2,000	\$2,000	\$2,000	\$2,000	\$2,000
PBWA/CDWC	\$9,000	\$9,000	\$10,000	\$11,000	\$12,000
PWR Surcharge	\$20,000	\$22,000	\$24,000	\$26,000	\$28,000
TVMWD	\$316,000	\$389,000	\$422,000	\$457,000	\$495,000
MWD	\$508,000	\$550,000	\$596,000	\$646,000	\$699,000
Groundwater Supply	\$207,000	\$222,000	\$238,000	\$255,000	\$273,000
Subtotal Potable Fixed Water Supply Costs	\$1,184,000	\$1,326,000	\$1,435,000	\$1,551,000	\$1,676,000
Variable Potable Water Supply Costs					
Old Baldy - Variable	\$178,000	\$310,000	\$335,000	\$363,000	\$393,000
Durward	\$208,000	\$1,021,000	\$1,105,000	\$1,197,000	\$1,296,000
PBWA	\$527,000	\$571,000	\$618,000	\$670,000	\$725,000
MWD Purchased Water Tier I	\$18,120,000	\$18,526,000	\$20,063,000	\$21,728,000	\$23,532,000
TVMWD Surcharges	\$208,000	\$213,000	\$231,000	\$250,000	\$270,000
Subtotal Variable Potable Water Supply Costs	\$19,241,000	\$20,641,000	\$22,352,000	\$24,208,000	\$26,216,000
Total Water Supply Costs	\$20,425,000	\$21,967,000	\$23,787,000	\$25,759,000	\$27,892,000



Table 89: Recycled Water Supply Analysis

Water Supply Analysis					
Key Inputs / Assumptions	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029
Recycled Water Loss	3.9%	3.9%	3.9%	3.9%	3.9%
Water Supply Rates	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029
Recycled Monthly Fixed Costs					
Groundwater Supply	\$11,162	\$11,966	\$12,827	\$13,751	\$14,741
Recycled Variable Water Supply Costs					
WVWD	\$11	\$11	\$12	\$12	\$13
LACSD	\$150	\$158	\$165	\$174	\$182
Fixed Water Supply Costs (Annual) Calculation	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029
Recycled Fixed Water Supply Costs					
Groundwater Supply	\$133,944	\$143,588	\$153,926	\$165,009	\$176,890
Variable Water Supply Costs (Annual) Calculation	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029
Recycled Water Billings/Sales (AF)	1,320 AF				
Recycled Wholesale	204 AF				
Total Recycled Sales	1,524 AF				
Recycled Water Demand	1,585 AF				
WVWD - Wells & Domestic Reservoir	614 AF				
LACSD - Pomona Intertie	971 AF				
Total Acre Feet of Demand	1,585 AF				
Recycled Water Purchases (AF)					
WVWD - Wells & Domestic Reservoir Purchased at Current Rate	614 AF				
LACSD - Pomona Intertie Purchased at Current Rate	971 AF				
Calculated Recycled Variable Water Supply Costs					
WVWD - Wells & Domestic Reservoir	\$6,608	\$6,939	\$7,286	\$7,650	\$8,032
LACSD - Pomona Intertie	\$145,696	\$152,981	\$160,630	\$168,661	\$177,094
Total Calculated Recycled Variable Water Supply Costs	\$152,304	\$159,919	\$167,915	\$176,311	\$185,127

Table 90: Recycled Water Supply Summary

Water Supply Summary					
Water Supply Costs	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029
Recycled Fixed Water Supply Costs					
Groundwater Supply	\$134,000	\$144,000	\$154,000	\$166,000	\$177,000
Variable Recycled Water Supply Costs					
Purchased Water - WVWD	\$7,000	\$7,000	\$8,000	\$8,000	\$9,000
Purchased Water - LACSD	\$146,000	\$153,000	\$161,000	\$169,000	\$178,000
Subtotal LACSD Capacity Charge	\$153,000	\$160,000	\$169,000	\$177,000	\$187,000
Total Water Supply Costs	\$287,000	\$304,000	\$323,000	\$343,000	\$364,000



#### **Appendix C – Drought Rate Surcharges**

The District adopted a Water Shortage Contingency Plan (WSCP) with six conservation stages reflecting reduced water usage. When conservation stages are enacted, and the conservation measures realize reductions in water usage, revenues will also decrease, causing the utility not to meet its revenue requirements. As such, the District may implement Drought Rate Surcharges to recover projected lost revenues from each conservation stage. Stage 1 assumes a 10% reduction, with each subsequent stage projecting an additional 10% reduction in water usage up to a 60% reduction in stage 6.

The District Board may enact Drought Rate Surcharges during water shortage events to recover the appropriate revenue to fund water system operations from a reduced volume of water sold. Therefore, Drought Rate Surcharges are higher than the proposed commodity rates identified in Table 79 and increase for each stage.

The proposed Drought Rate Surcharges are developed by stage for FY 2025 through FY 2029. Water use reductions were first applied to Single-Family Residential – Tier 3. Single-Family Residential - Tier 3 usage has the highest potential for cuts and the greatest revenue loss to recover for developing Drought Rate Surcharges. As water usage continues to reduce through the conservation stages, reductions are applied prorata to Single-Family Residential – Tier 2 and Irrigation, followed by pro-rata reductions to Single-Family Residential Tier 1, Multi-Family Residential, and Non-Residential. Table 91 identifies the total reduction in HCF needed to achieve each conservation stage, and Table 92 summarizes where the reductions are assumed to occur from customer classes and tiers.

Table 91: Total Usage Reductions by Conservation Stage

Usage Reduction by Conservation Stage									
	Baseline Usage (HCF)	Stage 1	Stage 2	Stage 3	Stage 4	Stage 5	Stage 6		
Target Reduction Goal		10.0%	20.0%	30.0%	40.0%	50.0%	60.0%		
Potable Usage / Reduction (HCF)	5,666,216	566,622	1,133,243	1,699,865	2,266,486	2,833,108	3,399,730		



Table 92: Usage Reductions by Customer Class and Tier

_	by Customer Class	& Tier						
% Reduction Customer Class	Baseline Usage (HCF)	Stage 1	Stage 2	Stage 3	Stage 4	Stage 5	Stage 6	Revenue Suffiency Priori
Single-Family								
Tier 1	1,309,140	0.0%	0.0%	0.0%	0.0%	0.0%	13.6%	3rd Reduction
Tier 2	2,009,140	0.0%	17.6%	42.0%	66.5%	91.0%	100.0%	2nd Reduction
Tier 3	726,447	78.0%	100.0%	100.0%	100.0%	100.0%	100.0%	1st Reduction
Multi-Family	664,539	0.0%	0.0%	0.0%	0.0%	0.0%	13.6%	3rd Reduction
Non-Residential	650,164	0.0%	0.0%	0.0%	0.0%	0.0%	13.6%	3rd Reduction
Irrigation	306,787	0.0%	17.6%	42.0%	66.5%	91.0%	100.0%	2nd Reduction
Total	5,666,216							_
Usage Reduction (H	ICF)							
Customer Class	Baseline Usage (HCF)	Stage 1	Stage 2	Stage 3	Stage 4	Stage 5	Stage 6	
Single-Family								_
Tier 1	1,309,140	-	-	-	-	-	178,299	
Tier 2	2,009,140	-	352,909	844,471	1,336,033	1,827,595	2,009,140	
Tier 3	726,447	566,622	726,447	726,447	726,447	726,447	726,447	
Multi-Family	664,539	-	-	-	-	-	90,507	
Non-Residential	650.164	_	_	_	_	_	88.550	

With reductions identified in Table 92, the remaining usage is summarized in Table 93. The corresponding reduced revenue for FY 2025 is shown in Table 94 by taking the usage in Table 93 and multiplying it by the proposed FY 2025 commodity rates.

128.947

1,699,865

204,007

2,266,486

279,066

2,833,108

306,787

3,399,730

53,888

1,133,243



306,787

Irrigation

**Projected Usage Reduction** 

Table 93: Remaining Usage by Conservation Stage

Remaining Usage by Co	nservation Stage						
Customer Class	Baseline Usage (HCF)	Stage 1	Stage 2	Stage 3	Stage 4	Stage 5	Stage 6
Single-Family							
Tier 1	1,309,140	1,309,140	1,309,140	1,309,140	1,309,140	1,309,140	1,130,840
Tier 2	2,009,140	2,009,140	1,656,231	1,164,669	673,106	181,544	-
Tier 3	726,447	159,825	-	-	-	-	-
Multi-Family	664,539	664,539	664,539	664,539	664,539	664,539	574,032
Non-Residential	650,164	650,164	650,164	650,164	650,164	650,164	561,614
	,	,	,	,	,	,	,
Irrigation	306,787	306,787	252,899	177,840	102,780	27,721	-
Projected Water Sales	5,666,216	5,099,594	4,532,973	3,966,351	3,399,730	2,833,108	2,266,486

Table 94: FY 2025 Projected Revenue & Potential Revenue Loss

Remaining Usage by Conservati Commodity Rates (\$/HCF)	ion Stage						l
Customer Class	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2025 Selected	
Single-Family Tier 1 Tier 2 Tier 3	\$3.55 \$4.49 \$5.97	\$4.02 \$5.08 \$6.75	\$4.55 \$5.75 \$7.63	\$5.15 \$6.50 \$8.63	\$5.82 \$7.35 \$9.76	\$3.55 \$4.49 \$5.97	
Multi-Family	\$4.46	\$5.04	\$5.70	\$6.45	\$7.29	\$4.46	
Non-Residential	\$4.46	\$5.04	\$5.70	\$6.45	\$7.29	\$4.46	
Irrigation	\$4.46	\$5.04	\$5.70	\$6.45	\$7.29	\$4.46	
Projected Commodity Revenue			F	Y 2025			
Customer Class	Baseline [A]	Stage 1	Stage 2	Stage 3	Stage 4	Stage 5	Stage 6
Single-Family							
Tier 1	\$4,647,446	\$4,647,446	\$4,647,446	\$4,647,446	\$4,647,446	\$4,647,446	\$4,014,48
Tier 2	\$9,021,037	\$9,021,037	\$7,436,476	\$5,229,362	\$3,022,248	\$815,134	
Tier 3	\$4,336,887	\$954,156	\$0	\$0	\$0	\$0	Ç
Multi-Family	\$2,963,844	\$2,963,844	\$2,963,844	\$2,963,844	\$2,963,844	\$2,963,844	\$2,560,18
Non-Residential	\$2,899,731	\$2,899,731	\$2,899,731	\$2,899,731	\$2,899,731	\$2,899,731	\$2,504,80
Irrigation	\$1,368,270	\$1,368,270	\$1,127,931	\$793,166	\$458,401	\$123,636	(
Projected Commodity Revenue	\$25,237,215	\$21,854,484	\$19,075,428	\$16,533,549	\$13,991,670	\$11,449,791	\$9,079,46
Projected Loss (Baseline Reveni	ue - Stage Revenue)	\$3.382.731	\$6.161.786	\$8,703,666	\$11.245.545	\$13.787.424	\$16.157.75

In addition to revenue losses, the District will also reduce certain expenses, generating cost savings. Table 95 calculates the cost savings from reduced water loss, and Table 96 reflects the FY 2025 net impact of revenue loss to be recovered from Drought Rate Surcharges for each stage.



Table 95: FY 2025 Water Loss Expenses – Cost Savings

Water Loss Expense - Cost Sav	/ings						
Variable Water Costs	Quantity (HCF)	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2025 Selected
TVMWD	5,261,918	\$18,328,000	\$18,739,000	\$20,294,000	\$21,978,000	\$23,802,000	\$18,328,000
Total Variable Water Costs		\$18,328,000	\$18,739,000	\$20,294,000	\$21,978,000	\$23,802,000	\$18,328,000
Variable Water Unit Costs							
Variable Water Costs	\$18,328,000						
÷ Quantity (HCF)	5,261,918						
Variable Water Unit Cost (\$/HCF)	\$3.49						
Variable Water Cost Savings		Stage 1	Stage 2	Stage 3	Stage 4	Stage 5	Stage 6
Reduction in Usage	Table 92	566,622	1,133,243	1,699,865	2,266,486	2,833,108	3,399,730
x Variable Water Unit Cost		\$3.49	\$3.49	\$3.49	\$3.49	\$3.49	\$3.49
Variable Water Cost Savings		\$1,977,509	\$3,955,019	\$5,932,528	\$7,910,038	\$9,887,547	\$11,865,056

Table 96: FY 2025 Net Impact from Conservation Stages

Net Impact from Cor	nservation Stages	5					
Net Impact	Source	Stage 1	Stage 2	Stage 3	Stage 4	Stage 5	Stage 6
Lost Revenue	Table 94	(\$3,382,731)	(\$6,161,786)	(\$8,703,666)	(\$11,245,545)	(\$13,787,424)	(\$16,157,750)
Plus Cost Savings	Table 95	\$1,977,509	\$3,955,019	\$5,932,528	\$7,910,038	\$9,887,547	\$11,865,056
Net Revenue Loss		(\$1,405,222)	(\$2,206,768)	(\$2,771,137)	(\$3,335,507)	(\$3,899,877)	(\$4,292,694)

Table 97 takes the net revenue loss in Table 96 and recovers it from the remaining usage from Table 93 as a percent increase surcharge across all commodity rates, maintaining the cost-of-service analysis developed for the District's commodity rates. The percentage surcharges of each stage for FY 2025 are calculated by taking the revenue loss to recover as a percentage of the Projected Commodity Revenue in Table 94.

Table 98 through Table 101 identify the Drought Rate Surcharges for FY 2026 through FY 2029, using the same approach shown for FY 2025.



Table 97: FY 2025 Drought Rate Surcharges

Water Shortage Surcharges						
% Increase			Conservation	on Stages		
FY 2025	Stage 1	Stage 2	Stage 3	Stage 4	Stage 5	Stage 6
Net Revenue Loss	\$1,405,222	\$2,206,768	\$2,771,137	\$3,335,507	\$3,899,877	\$4,292,694
Projected Commodity Revenue	\$21,854,484	\$19,075,428	\$16,533,549	\$13,991,670	\$11,449,791	\$9,079,465
Net Revenue Loss / Projected Commodity Revenue	6.43%	11.57%	16.76%	23.84%	34.06%	47.28%

		FY 2025							
Customer Class	Baseline	Stage 1	Stage 2	Stage 3	Stage 4	Stage 5	Stage 6		
Single-Family									
Tier 1	\$3.55	\$0.23	\$0.42	\$0.60	\$0.85	\$1.21	\$1.68		
Tier 2	\$4.49	\$0.29	\$0.52	\$0.76	\$1.08	\$1.53	\$2.13		
Tier 3	\$5.97	\$0.39	\$0.70	\$1.01	\$1.43	\$2.04	\$2.83		
Multi-Family	\$4.46	\$0.29	\$0.52	\$0.75	\$1.07	\$1.52	\$2.11		
Non-Residential	\$4.46	\$0.29	\$0.52	\$0.75	\$1.07	\$1.52	\$2.11		
Irrigation	\$4.46	\$0.29	\$0.52	\$0.75	\$1.07	\$1.52	\$2.11		

Table 98: FY 2026 Drought Rate Surcharges

Water Shortage Surcharges						
% Increase			Conservation	on Stages		
FY 2026	Stage 1	Stage 2	Stage 3	Stage 4	Stage 5	Stage 6
Net Revenue Loss	\$1,682,866	\$2,684,227	\$3,417,832	\$4,151,438	\$4,885,044	\$5,424,383
Projected Commodity Revenue	\$24,720,300	\$21,577,110	\$18,701,674	\$15,826,239	\$12,950,804	\$10,269,634
Net Revenue Loss / Projected Commodity Revenue	6.81%	12.44%	18.28%	26.23%	37.72%	52.82%

				FY 20	)26		
Customer Class	Baseline	Stage 1	Stage 2	Stage 3	Stage 4	Stage 5	Stage 6
Single-Family							
Tier 1	\$4.02	\$0.28	\$0.51	\$0.74	\$1.06	\$1.52	\$2.13
Tier 2	\$5.08	\$0.35	\$0.64	\$0.93	\$1.34	\$1.92	\$2.69
Tier 3	\$6.75	\$0.46	\$0.84	\$1.24	\$1.78	\$2.55	\$3.57
Multi-Family	\$5.04	\$0.35	\$0.63	\$0.93	\$1.33	\$1.91	\$2.67
Non-Residential	\$5.04	\$0.35	\$0.63	\$0.93	\$1.33	\$1.91	\$2.67
Irrigation	\$5.04	\$0.35	\$0.63	\$0.93	\$1.33	\$1.91	\$2.67



Table 99: FY 2027 Drought Rate Surcharges

Water Shortage Surcharges						
% Increase			Conservation	on Stages		
FY 2027	Stage 1	Stage 2	Stage 3	Stage 4	Stage 5	Stage 6
Net Revenue Loss	\$2,005,840	\$3,244,209	\$4,181,048	\$5,117,887	\$6,054,726	\$6,771,020
Projected Commodity Revenue	\$27,971,097	\$24,415,246	\$21,160,925	\$17,906,603	\$14,652,282	\$11,618,506
Net Revenue Loss / Projected Commodity Revenue	7.17%	13.29%	19.76%	28.58%	41.32%	58.28%

				FY 20	)27		
Customer Class	Baseline	Stage 1	Stage 2	Stage 3	Stage 4	Stage 5	Stage 6
Single-Family							
Tier 1	\$4.55	\$0.33	\$0.61	\$0.90	\$1.31	\$1.89	\$2.66
Tier 2	\$5.75	\$0.42	\$0.77	\$1.14	\$1.65	\$2.38	\$3.36
Tier 3	\$7.63	\$0.55	\$1.02	\$1.51	\$2.19	\$3.16	\$4.45
Multi-Family	\$5.70	\$0.41	\$0.76	\$1.13	\$1.63	\$2.36	\$3.33
Non-Residential	\$5.70	\$0.41	\$0.76	\$1.13	\$1.63	\$2.36	\$3.33
Irrigation	\$5.70	\$0.41	\$0.76	\$1.13	\$1.63	\$2.36	\$3.33

#### Table 100: FY 2028 Drought Rate Surcharges

Water Shortage Surcharges						
% Increase			Conservation	on Stages		
FY 2028	Stage 1	Stage 2	Stage 3	Stage 4	Stage 5	Stage 6
Net Revenue Loss	\$2,379,811	\$3,890,450	\$5,059,604	\$6,228,758	\$7,397,912	\$8,319,775
Projected Commodity Revenue	\$31,639,378	\$27,618,604	\$23,939,317	\$20,260,030	\$16,580,742	\$13,148,745
Net Revenue Loss / Projected Commodity Revenue	7.52%	14.09%	21.14%	30.74%	44.62%	63.27%

	FY 2028									
Customer Class	Baseline	Stage 1	Stage 2	Stage 3	Stage 4	Stage 5	Stage 6			
Single-Family										
Tier 1	\$5.15	\$0.39	\$0.73	\$1.09	\$1.59	\$2.30	\$3.26			
Tier 2	\$6.50	\$0.49	\$0.92	\$1.38	\$2.00	\$2.91	\$4.12			
Tier 3	\$8.63	\$0.65	\$1.22	\$1.83	\$2.66	\$3.86	\$5.47			
Multi-Family	\$6.45	\$0.49	\$0.91	\$1.37	\$1.99	\$2.88	\$4.09			
Non-Residential	\$6.45	\$0.49	\$0.91	\$1.37	\$1.99	\$2.88	\$4.09			
Irrigation	\$6.45	\$0.49	\$0.91	\$1.37	\$1.99	\$2.88	\$4.09			



Table 101: FY 2029 Drought Rate Surcharges

Water Shortage Surcharges						
% Increase			Conservation	on Stages		
FY 2029	Stage 1	Stage 2	Stage 3	Stage 4	Stage 5	Stage 6
Net Revenue Loss	\$2,810,443	\$4,637,273	\$6,077,655	\$7,518,036	\$8,958,418	\$10,118,098
Projected Commodity Revenue	\$35,766,924	\$31,220,310	\$27,060,145	\$22,899,980	\$18,739,815	\$14,860,350
Net Revenue Loss / Projected Commodity Revenue	7.86%	14.85%	22.46%	32.83%	47.80%	68.09%

	FY 2029									
Customer Class	Baseline	Stage 1	Stage 2	Stage 3	Stage 4	Stage 5	Stage 6			
Single-Family										
Tier 1	\$5.82	\$0.46	\$0.87	\$1.31	\$1.92	\$2.79	\$3.97			
Tier 2	\$7.35	\$0.58	\$1.10	\$1.66	\$2.42	\$3.52	\$5.01			
Tier 3	\$9.76	\$0.77	\$1.45	\$2.20	\$3.21	\$4.67	\$6.65			
Multi-Family	\$7.29	\$0.58	\$1.09	\$1.64	\$2.40	\$3.49	\$4.97			
Non-Residential	\$7.29	\$0.58	\$1.09	\$1.64	\$2.40	\$3.49	\$4.97			
Irrigation	\$7.29	\$0.58	\$1.09	\$1.64	\$2.40	\$3.49	\$4.97			

