

FINAL REPORT



South Tahoe Public Utility District *Comprehensive Water Rate Study*

June 2024



June 13, 2024

Mr. Paul Hughes
General Manager
South Tahoe Public Utility District
1275 Meadow Crest Drive
South Lake Tahoe, California 96150

Subject: Final Comprehensive Water Rate Study Report

Dear Mr. Hughes:

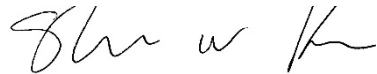
HDR Engineering, Inc. (HDR) is pleased to present the final report for the comprehensive water rate study conducted for the South Tahoe Public Utility District (District). A key objective in developing the District's comprehensive water rate study was to develop a financial plan and rates that generate adequate revenues to fund the operating and capital needs of the water utility. The study also focused on the development of proposed rates that are cost-based and proportional to the District's customers by conducting a cost of service analysis. This report outlines the approach, methodology, findings, and conclusions of the comprehensive water rate study.

This report was developed utilizing the District's accounting, operating, and customer records. HDR has relied on this information to develop our analyses that form our findings, conclusions and recommendations. At the same time, this study was developed utilizing generally accepted rate setting principles, and methodologies as outlined by the American Water Works Association. The conclusions and recommendations contained within this report are intended to provide a financial plan that meets the operating and capital needs of the utility while providing the basis for developing and implementing rates that are cost-based and proportional to the District's customers.

We appreciate the assistance provided by District staff in the development of this study. More importantly, we appreciate the opportunity to work with the District's staff, management, and Board of Directors on this project.

Sincerely,

HDR Engineering, Inc.



Shawn Koorn
Associate Vice President



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Executive Summary

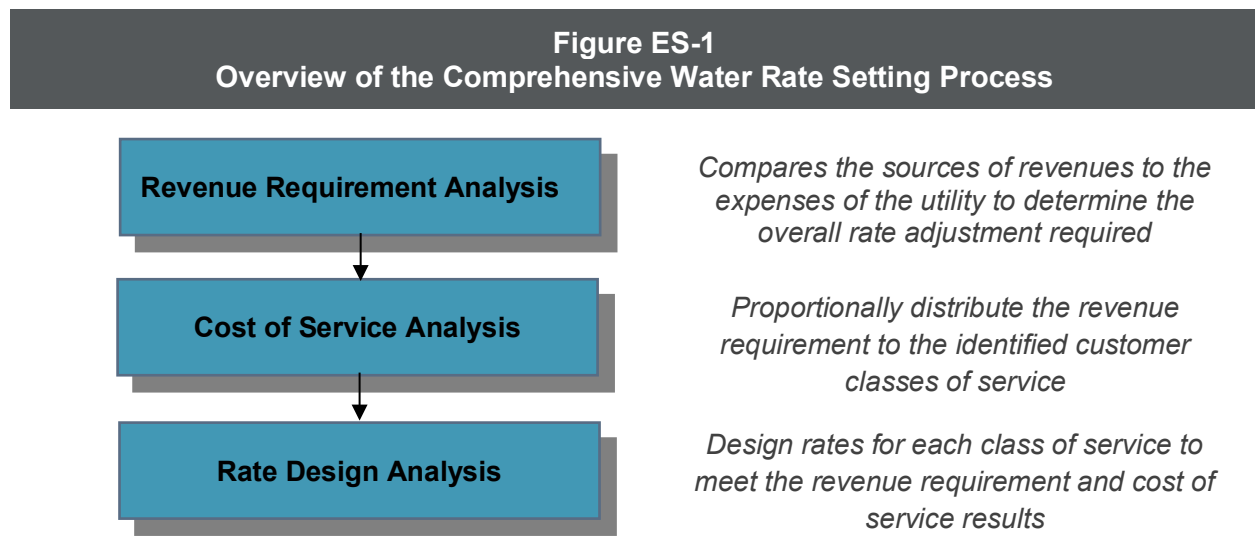
The South Tahoe Public Utility District (District) retained HDR Engineering, Inc. (HDR) to perform a comprehensive rate study for its water utility. A comprehensive rate study determines the adequacy of the existing water rates and provides the basis to maintain cost-based and proportional rates. This report will describe the methodology, findings, and conclusions and recommendations from the comprehensive water rate study undertaken for the District. The main objectives of the study were to:

- Review the District’s previously adopted water rates.
- Develop a financial plan (revenue requirement) for projecting operating and capital costs for the water utility for planning purposes.
- Provide the framework and methodology, based on generally accepted industry best practices, for the development of cost-based and proportional water rates.
- Adopt rates through the Proposition 218 process that adequately fund the Districts operational and capital expenses over the study time period.

The Districts System has approximately 250 miles of water lines 1,900 fire hydrants and treats on average approximately 5 million gallons a day. The District is located in the Tahoe basin and borders the California and Nevada state line serving approximately 14,000 customers in the City of South Lake Tahoe and the surrounding communities of Cascade Lakes, Luther Pass, and Echo Lake. The District owns, operates, and maintains, the supply, treatment, transmission, and distribution systems that serve these customers.

Overview of the Rate Study Process

This comprehensive rate study consists of three interrelated analyses performed for the Water utility. Figure 1-1 provides an overview of these analyses.



A revenue requirement analysis is a comparison of the overall revenues and expenses, both operating and capital, of the utility. From this analysis, a determination can be made as to the overall level of adjustment necessary to rate revenues to meet annual needs. Next, a cost of service analysis is performed to proportionally distribute the revenue requirement to the identified customer classes of service (e.g., single-family, multi-family, commercial) for the study. Finally, once an overall level of revenue adjustment is determined and a proportional distribution of those costs, the last step of the rate study process is the design of rates to collect the appropriate level of revenues while considering other rate design goals and objectives of the utility (e.g., revenue stability, cost-based, continuity in philosophy) as developed as part of the cost of service analysis.

Key Water Rate Study Results

- A revenue requirement analysis was developed for the projected time period of FY 2025 through FY 2033 for the water utility.
- The Department's FY 2024 adopted water utility budget was used as the starting point of the analysis along with the current capital improvement plan.
- Operation and maintenance (O&M) expenses are projected to increase at inflationary levels with no assumed changes to levels of service or anticipated extraordinary expenses.
- A cost of service analysis was developed to review the proportionality of the existing rates and to proportionately distribute the revenue requirement to the District's water utility customer classes of service and customers within each class.
- The results of the cost of service analyses provided the unit costs (i.e., cost basis) which were used to establish the proposed water rates.
- The study has developed proposed rates for the FY 2025 – FY 2029 time period, by customer class of service.
- The proposed water rate revenue adjustments average 9.5% annually from FY 2025 through FY 2029, effective July 1 of each year.

Summary of the Revenue Requirement Analysis

A revenue requirement analysis is the first analytical step in the comprehensive water rate study process. This analysis determines the adequacy of the current rates to fund annual operating expenses and capital improvement needs. From this analysis, a determination can be made as to the overall level of water rate revenue adjustments needed to provide prudent funding for the District's water system.

As a practical matter, a multi-year time frame is recommended in an attempt to identify and plan for major expenses that may be on the horizon. By anticipating future financial requirements, the District can begin planning for these changes sooner, thereby minimizing short-term rate impacts while also stabilizing long-term rates. For the District's study, a ten-year projected time period was developed (FY 2024 – FY 2033) with a focus on the next 5-year period (FY 2025 – FY 2029) for rate setting purposes.

For the revenue requirement analysis a "cash basis" approach was utilized. The cash basis approach is the most commonly methodology used by municipal and special purpose district utilities to set their revenue requirement and is the approach utilized by the District in past water rate studies. In its most basic form, it is composed of O&M expenses, taxes / transfer payments, annual

debt service payments, and rate funded capital projects. The inputs for the District's revenue requirement analysis were the District's adopted water utility budget, recent and historical billed customer data, and the water capital improvement plan. Budgeted O&M expenses were projected using inflationary factors for the District's various expenses to provide water supply, treatment, transmission, and distribution services.

A capital funding plan is developed as part of the revenue requirement which serves as one of the inputs to the revenue requirement and establishes how the District's water utility capital projects will be funded. The proper and adequate funding of capital projects is important to help maintain existing facilities, provide consistent levels of service and minimize rate impacts over time. A general financial guideline is that, at a minimum, a utility should fund an amount equal to or greater than annual depreciation expense through current rate revenue (Rate Funded Capital). Annual depreciation expense reflects the current investment in plant being depreciated or "losing" its useful life. Therefore, this portion of plant investment needs to be replaced or repaired to maintain the existing level of infrastructure (and service levels). However, it must be kept in mind that, in theory, annual depreciation expense reflects an investment in infrastructure that was placed in service an average of 15 years ago, assuming a 30-year useful (i.e., depreciable life). It is important to note and understand that depreciation expense is not the same as replacement cost. Thus, a Rate Funded Capital component amount which exceeds the water utility's share of depreciation expense is reasonable and appropriate target to aspire to as the utility becomes more fiscally sound. In developing this financial plan, HDR and the District have attempted to minimize rate impacts while funding the planned capital improvement projects.

HDR and District staff worked with the District Board to review various capital improvement needs and the resulting funding scenarios for each. These included various levels of renewal and replacement funding and prioritization of specific system improvements. Based on these discussions with the Board, the final capital improvement funding plan was developed. In developing this financial plan, HDR and the District have attempted to minimize rate impacts while funding the planned capital improvement projects through a mix of long-term borrowing and rate funding. Provided in Table ES-1 is a summary of the proposed capital improvement funding plan.

**Table ES-1
Overview of the Water Capital Improvement Plan (000's)**

	Budget	Projected								
	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2032	FY 2033
Capital Plan Costs										
Capitalized Engineering	\$2,177	\$2,318	\$2,382	\$2,447	\$2,515	\$2,584	\$2,656	\$2,729	\$2,805	\$2,883
Debt Service	941	1,454	1,551	1,577	2,043	2,457	2,660	2,249	2,306	2,366
Capital Improvement Projects	16,500	9,260	9,964	17,196	15,785	15,289	14,006	14,658	15,952	12,379
Capital Reserve Funding	0	2,897	525	146	4,963	2,760	0	893	0	1,634
Total Capital Investment	\$19,619	\$15,928	\$14,422	\$21,367	\$25,306	\$23,089	\$19,322	\$20,529	\$21,063	\$19,262
Capital Plan Funding										
Capital Reserve	\$1,962	\$0	\$0	\$0	\$0	\$0	\$1,895	\$0	\$3,245	\$0
Capacity/Connection Fees	354	354	354	354	354	354	354	354	354	354
Debt Proceeds	8,321	5,800	5,585	8,183	10,542	7,499	1,503	3,058	0	0
Capital Funded from Rates	8,982	9,774	8,483	12,830	14,410	15,236	15,570	17,117	17,464	18,908
Total Capital Funding	\$19,619	\$15,928	\$14,422	\$21,367	\$25,306	\$23,089	\$19,322	\$20,529	\$21,063	\$19,262

The District's capital funding plan includes, three funding sources, revenue collected from the current year's rates (Rate Funded Capital), reserve funds, and debt. The District's financial plan has two line items that would be considered rate funded capital, capital improvement charge, which is a specific distribution from rates for capital projects, as well as another component that accounts for the remaining amount, capital funded from rates. For this analysis the capital charge was rolled up into the capital funded from rates component. As a point of reference, the District's annual depreciation for the water assets is approximately \$4.3 million. As can be seen in Table ES-1, the District's funding approach exceeds the minimum funding level of annual depreciation expense. However, this is a critical funding source for maintaining infrastructure and should be reviewed and updated on an annual basis during the budgeting process.

As noted, the revenue requirement is comprised of O&M expenses, transfers/taxes, annual debt service payments, and rate funded capital. As outlined above, the O&M expenses were based on the most recent adopted budget for the District, in this case FY 2024. Future year projections from 2025 through 2033 were based on historical inflationary factors and known changes in costs. Transfers were made to the capital fund to meet future capital improvement funding in combination with projected long-term borrowing. Annual debt service payments, both principal and interest for existing water utility debt, were funded annually based on the amortization schedules, along with District developed projections for future long-term borrowing. Finally, rate funded capital was developed to meet future capital funding needs and industry standard approaches.

These components are summed to develop the total revenue requirement for the District's water utility. The results of the revenue requirement are presented in Table ES-2 and provide the basis for future revenue adjustments to meet operating and capital funding needs.

Table ES-2
Summary of the Revenue Requirement Analysis (000's)

	Budget	Projected								
	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2032	FY 2033
Sources of Funds										
Rates	\$15,344	\$15,342	\$15,356	\$15,371	\$15,386	\$15,402	\$15,414	\$15,436	\$15,459	\$15,482
Other Revenues	<u>7,186</u>	<u>8,330</u>	<u>7,021</u>	<u>6,288</u>	<u>6,852</u>	<u>7,413</u>	<u>7,705</u>	<u>8,897</u>	<u>8,176</u>	<u>8,387</u>
Total Sources of Funds	\$22,530	\$23,672	\$22,377	\$21,659	\$22,238	\$22,815	\$23,120	\$23,333	\$23,635	\$23,868
Applications of Funds										
Operations & Maintenance Expenses	\$12,523	\$14,942	\$14,772	\$13,810	\$14,157	\$14,514	\$14,880	\$15,255	\$15,640	\$16,035
Rate Funded Capital:	8,982	9,774	8,483	12,830	14,410	15,236	15,570	17,117	17,464	18,908
Debt Service	1,376	1,930	2,138	2,260	3,155	4,076	4,427	3,951	3,951	3,951
To / (From) Reserves	<u>(350)</u>	<u>(1,517)</u>	<u>(1,551)</u>	<u>(1,577)</u>	<u>(2,043)</u>	<u>(2,457)</u>	<u>(2,660)</u>	<u>(2,249)</u>	<u>(2,306)</u>	<u>(2,366)</u>
Total Revenue Requirement	\$22,530	\$25,129	\$23,841	\$27,323	\$29,678	\$31,369	\$32,216	\$34,074	\$34,749	\$36,528
Bal./(Def.) of Funds	\$0	(\$1,457)	(\$1,464)	(\$5,664)	(\$7,440)	(\$8,555)	(\$9,096)	(\$10,741)	(\$11,114)	(\$12,660)
Bal./(Def.) of Funds as % of Rates	0.0%	9.5%	9.5%	36.8%	48.4%	55.5%	59.0%	69.6%	71.9%	81.8%
Proposed Rate Adjustment	0.0%	9.5%	9.5%	9.5%	9.5%	9.5%	9.5%	9.5%	9.5%	9.5%

As shown in Table ES-2, current revenues are insufficient to prudently fund the District’s water O&M and capital needs. It is important to note the annual deficiencies in the Table ES-2 are cumulative. That is, any adjustments in the initial years will reduce the deficiency in the later years. Over the projected time period, rates need to be adjusted by approximately 55% over the five-year rate setting period (FY 2024 – FY 2029) in order to adequately and properly fund the District’s water utility O&M and capital infrastructure needs.

Based on the revenue requirement analysis developed, HDR recommends the District increase the overall revenue levels of the water utility. Based on the plan developed in this report, the recommended annual adjustments of 9.5% will provide adequate funding for the time period of FY 2024 FY 2029 based on the assumptions developed as part of the rate study. Revenue adjustments after the proposed five-year period will be based on an updated analysis and O&M and capital needs at that time.

Summary of the Cost of Service Analysis

A cost of service analysis determines the proportional distribution of the revenue requirement to the District’s water customer classes of service. The objective of the cost of service analysis is different from determining the revenue requirement. A cost of service analysis determines the proportional manner to collect the revenue requirement based on each customer class’s characteristics and facility requirements.

For the water utility, there are three customer classes of service (i.e., rate schedules). Based on the cost of service analysis, the revenue requirement for FY 2025 has been proportionally distributed to the District’s customer classes of service. This reflects each customer class’s proportional share of the costs associated with providing water service. The sum of the total distributed costs is compared to the current revenues of each customer class to determine the overall change in rates. A summary of the cost of service analysis is provided in Table ES-3.

Table ES - 3 Summary of the Cost of Service Analysis (\$000)				
Class of Service	Present Revenue (FY 2025)	Distributed Costs	\$ Difference	% Difference
Residential	\$10,078	\$11,123	(\$1,045)	10.4%
Multifamily	2,089	2,262	(173)	8.3%
Commercial	<u>3,175</u>	<u>3,414</u>	<u>(239)</u>	<u>7.5%</u>
Total	\$15,342	\$16,799	(\$1,457)	9.5%

Table ES-3 provides a comparison of the current rate revenues to the distributed costs. The difference between the rate revenues and distributed costs for each class of service represents the variance between the level of revenues currently received from each class of service (e.g., current rates), and the proportional distribution of costs. In viewing these results, it is important to remember that a cost of service analysis is not an exact calculation. Rather, it reflects the current relationships between current customer revenues and current costs. These relationships change over time given

budgetary changes and changes in customer consumption patterns and characteristics. A customer class is generally considered being within a reasonable range of its Cost of Service when the customers cost of service change is within 5% of the overall rate adjustment. However, even though the results of this study are indicating very minor differences in costs, given the requirements of Proposition 218 it is recommended that the cost of service adjustments be implemented for the development of the proposed water rates.

Summary of the Rate Design Analysis

Rates that meet the utility's objectives are designed based on both the revenue requirement and the cost of service analyses. The purpose of this study is to develop cost-based and proportional rates for the District's customers. It is recommended that rates be reevaluated periodically so that rates are collecting sufficient revenue to properly maintain adequate level of operations and investment in the system to provide future reliable operations and maintain proportionality between the customer classes of service as costs and customer characteristics change.

The overall revenue adjustments were determined in the revenue requirement analysis to calculate the prudent revenue levels necessary to fund operating and capital expenses (e.g., cost basis). How the overall revenue adjustment is applied by class of service takes into consideration the cost of service results to determine how the overall revenue adjustment is collected (proportionality between customers).

Based on the revenue requirement and the cost of service analysis proposed rates were developed for the next five-years. The proposed rates for FY 2025 are based on the results of the cost of service analysis while future years (FY 2026 – FY 2029) were adjusted evenly across all customer classes based on the overall revenue needs identified in the revenue requirement analysis. Table ES-4 provides the current rates and the proposed rates for the next five-years.

**Table ES-4
Current and Proposed Rates**

	Current	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029
Monthly Charge by Meter Size						
5/8" & 3/4"	\$54.97	\$60.12	\$65.83	\$72.08	\$78.93	\$86.43
1"	91.75	100.34	109.87	120.31	131.74	144.25
1 1/2"	183.00	200.13	219.14	239.96	262.76	287.72
2"	292.89	320.31	350.74	384.06	420.54	460.49
3"	549.55	600.99	658.09	720.61	789.06	864.02
4"	916.06	1,001.81	1,096.98	1,201.20	1,315.31	1,440.27
6"	1,831.51	2,002.96	2,193.24	2,401.59	2,629.75	2,879.57
8"	2,930.56	3,204.89	3,509.35	3,842.74	4,207.80	4,607.54
10"	4,213.11	4,607.50	5,045.21	5,524.50	6,049.33	6,624.02
Unmetered Customers						
Single Family	\$69.70	\$75.98	\$83.20	\$91.11	\$99.76	\$109.24
Duplex	115.74	126.17	138.15	151.29	165.66	181.39
Triplex	157.24	171.41	187.69	205.54	225.05	246.43
Four-plex	203.43	221.76	242.83	265.92	291.16	318.83
Additional Multifamily Units (>4)	34.09	37.16	40.69	44.56	48.79	53.43
Commercial	100.92	110.01	120.46	131.92	144.44	158.17
Commodity Charges (\$/CCF)						
Single Family						
0 - 15 CCF	\$1.88	\$2.03	\$2.22	\$2.43	\$2.66	\$2.91
15 + CCF	\$2.87	\$3.02	\$3.31	\$3.63	\$3.97	\$4.35
Multifamily						
All Consumption	\$1.87	\$2.16	\$2.37	\$2.59	\$2.84	\$3.11
Commercial						
All Consumption	\$1.94	\$2.20	\$2.41	\$2.63	\$2.88	\$3.16

Summary

This completes the summary of the comprehensive rate study completed for the District's water utility. Based on the Board discussion, and results of the comprehensive water rate study, the following recommendations have been developed:

- The revenue requirement analysis showed a deficiency of annual revenues to meet annual operating and capital needs. To maintain the revenue sufficiency of the water utility, proposed annual revenue adjustments of 9.5% are recommended in FY 2025 through FY 2029.
- The cost of service study resulted in minor cost differences between the various customer classes of service. To meet the requirements of Proposition 218, it is recommended that rates be developed based on the cost of service results, for each customer class of service.
- Proposed rates were developed that reflect the overall revenue needs and cost of service results for the next five-year period. It is recommended that the proposed rates be adopted as they reflect the proportional distribution of costs.

On May 16, 2024, the District held a public hearing for the Board to consider, and allow customers an opportunity to provide input on, the proposed rate increases. The District did not receive a majority protest for the proposed rate increases which would prevent the adoption of the proposed rates as outlined in Proposition 218. Given this, the rates, as developed in this report, were adopted by the District's Board.

A full and complete discussion of the development of the comprehensive water rate study and the proposed rate adjustments can be found in following sections of this report.

1 Introduction

The South Tahoe Public Utility District (District) retained HDR Engineering, Inc. (HDR) to conduct a comprehensive rate study for its water utility. A comprehensive water rate study determines the adequacy of the existing water rates and provides the basis to maintain cost-based and proportional rates. This report describes the methodology, findings, and conclusions of the comprehensive water rate study process undertaken for the District.

The District owns and operates the water supply, treatment, transmission and distribution system in the City of South Lake Tahoe and surrounding communities. In all the District serves approximately 14,000 water customers with the vast majority being residential, or single-family, customers.

This study determined whether existing rates are adequate to meet the utility's operating and capital expenses with revenues received from customers a rates set too low may result in insufficient funds to maintain system integrity. The study also provides the basis for developing proportional rates for the District's customers to meet the requirements set in the California Constitution Article XIII D, commonly referred to as proposition 218. This requires water utilities to established a rate methodology which result in cost based and proportional rates.

This study has been designed and intended to comply with the requirements of Proposition 218. This study has been developed using industry accepted water rate setting methodologies and best practices, as outlined in the American Water Works Association M1 Manual, along with District specific water system and customer data and information.

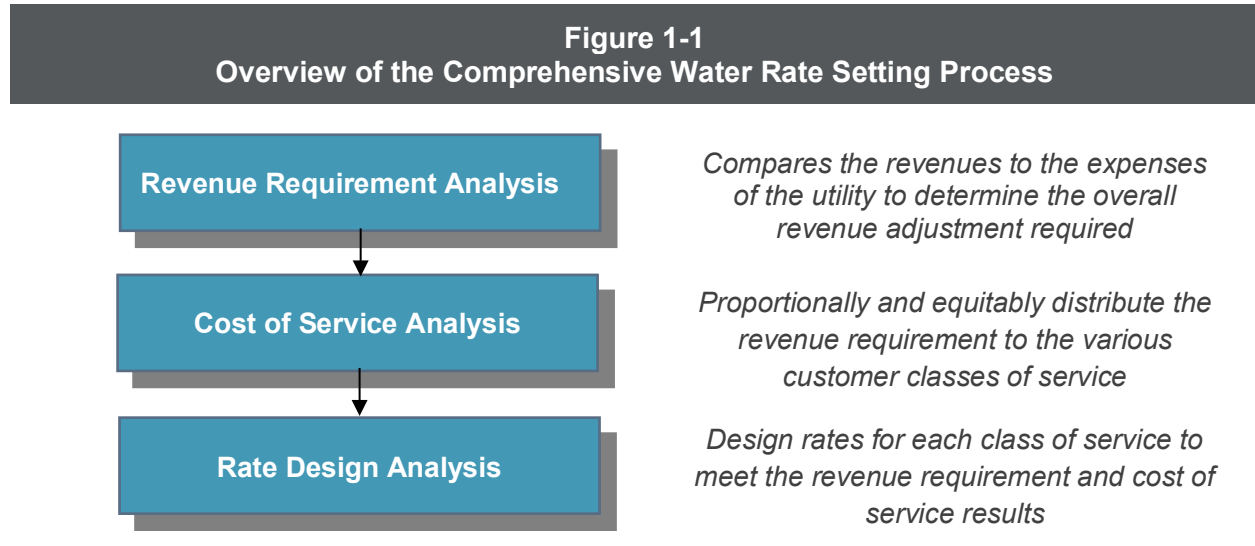
1.1 Goals and Objectives

The District had a number of goals and objectives in mind for the comprehensive water rate study. These goals and objectives were discussed with District staff and the District's board to guide the rate study to its conclusion. These goals and objectives were as follows:

- Develop the water study in a manner that is consistent with the principles and methodologies established by the American Water Works Association M1, Principles of Water Rates, Fees and Charges (AWWA M1 Manual).
- Utilize best industry practices, while recognizing and acknowledging the specific and unique characteristics of the District's water system and facilities.
- Review the District's rates utilizing generally accepted rate making methodologies to determine adequacy and proportionality of the water rates.
- Incorporate the District's financial planning criteria and goals, such as debt service coverage ratios, adequate funding of capital infrastructure, and maintenance of prudent reserve levels.
- Develop the proposed financial plan which adequately supports the water utility's funding requirements, while attempting to minimize overall impacts to rates.
- Provide rates designed to meet the requirements of Article XIII D.
- Develop proposed rates that are cost-base, proportional, and reflective of the District's specific costs.

1.2 Overview of the Rate Study Process

A comprehensive rate study consists of three interrelated analyses, each which were performed for the District's water rate study. Figure 1-1 provides an overview of these analyses.



A revenue requirement analysis is concerned with the overall sources and expenses of the utility. From this analysis, a determination can be made as to the overall level of adjustment to revenues. Next, a cost of service analysis is performed to proportionally distribute the revenue requirement to the District's customer classes of service (e.g., single-family, multi-family, commercial). Finally, once an overall level of revenue adjustment is determined and a proportional distribution of those costs, the last step of the rate study process is the design of rates to collect the appropriate level of revenues while considering other rate design goals and objectives of the utility (e.g., revenue stability, cost-based, continuity in philosophy) as included within the cost of service analysis. As a part of this study, HDR developed each of these analyses to analyze the District's current water rates which are based on generally accepted cost of service and rate setting techniques.

1.3 Report Organization

This report is organized as follows:

- ✓ Section 2 provides background information about the utility rate setting process
- ✓ Section 3 reviews the revenue requirement analysis
- ✓ Section 4 reviews the cost of service analysis
- ✓ Section 5 reviews the rate design analysis

A technical appendices is attached at the end of the report which provides the detailed analysis used in preparation of this report.

1.4 Summary

This report will review the comprehensive water rate study prepared for the District. This report has been developed utilizing generally accepted rate setting methodologies as outlined in the AWWA M1 Manual and the District's system and customer operation and characteristics to meet the requirements of Proposition 218. The next section of the report provides an overview of the basic theory and methodology used to establish cost-based rates. This provided the methodological foundation for the development of the District's water rate study.

2 Overview of the Rate Setting Process

2.1 Introduction

This section provides background information about the rate setting process, including descriptions of generally accepted principles, types of utilities, methods of determining revenue requirement, cost of service, and rate design. This information is useful for gaining a better understanding of the details presented in Sections 3 through 5.

2.2 Generally Accepted Rate Setting Principle

As a practical matter, all utilities should consider setting rates around some generally accepted principles and guidelines. Utility rates should be:

- ✓ Cost-based and proportional, and meets the utility's full revenue requirement
- ✓ Easy to understand and administer
- ✓ Designed to conform with generally accepted rate setting techniques
- ✓ Stable in their ability to provide adequate revenues for meeting the utility's financial, operating, and regulatory requirements
- ✓ Established at a level which is stable from year-to-year from a customer's perspective

2.3 Determining the Revenue Requirement

Because public and private utilities have very different administrative and financial characteristics, their methods differ for determining the revenue requirement and setting rates.

2.3.1 Public Utilities

Most public utilities like the District use the "cash basis" approach for establishing their revenue requirement and setting rates. This approach conforms to most public utility budgetary requirements and the calculation is easy to understand. A public utility totals its cash expenditures for a period of time to determine its required revenues. The revenue requirement for a public utility is usually comprised of the following costs or expenses:

- ✓ Total Operating Expenses: This includes a utility's operation and maintenance (O&M) expenses, plus any applicable taxes or transfer payments. Operation and maintenance expenses include the materials, electricity, labor, supplies, etc., needed to keep the utility functioning.
- ✓ Total Capital Expenses: Capital expenses are calculated by adding debt service payments (principal and interest) to capital improvements financed with rate revenues (Rate Funded Capital). In lieu of including capital improvements financed with rate revenues, a utility sometimes includes annual depreciation expense to stabilize the annual revenue requirement.

Under the cash basis approach, the sum of the capital and operating expenses equals the utility’s revenue requirement during any period of time (see Table 2-1). Note that the two portions of the capital expense component, debt service and capital improvements financed from rates, are necessary under the cash basis approach because utilities generally cannot finance all their capital facilities with long-term debt.

An exception may occur if a public utility provides service to a wholesale or contract customer. In this situation, a public utility could use the “utility basis” approach (see below) to earn a fair return on its investment.

Table 2-1 Cash versus Utility Basis Comparison	
Cash Basis	Utility Basis (Accrual)
+ O&M Expense	+ O&M Expense
+ Taxes or Transfer Payments	+ Taxes or Transfer Payments
+ Rate Funded Capital (≥ Depreciation Expense)	+ Annual Depreciation Expense
+ Debt service (Principal + Interest)	+ Return on Investment
= Total Revenue Requirement	= Total Revenue Requirement

2.4 Analyzing Cost of Service

After the total revenue requirement is determined, it is allocated to the users of the service. The allocation, as analyzed through a cost of service study, reflects the cost relationships for producing and delivering services. A cost of service study requires three steps:

1. Costs are **functionalized** or grouped into the various cost categories related to providing service (supply, treatment, distribution, pumping, etc.). This step is often largely accomplished by the utility’s chart of accounts within its accounting system.
2. The functionalized costs are then **allocated** to specific cost components. Allocation refers to the arrangement of the functionalized data into cost components. For example, a water utility’s costs are typically allocated as average day, peak day, or customer-related.
3. Once the costs are allocated the appropriate cost component(s), they are **distributed** to the customer classes of service (single-family, multi-family, commercial). The distribution is based on each customer class’s relative, and proportional, contribution to the cost component. For example, customer-related costs are proportionally distributed to each class of service based on the total number of customers in that class of service. Once costs are distributed, the required revenues for achieving cost-based rates can be determined.

2.5 Designing Rates

Rates that meet the utility’s objectives are designed based on both the revenue requirement and the cost of service analyses. This approach results in rates that are strictly cost-based. In designing the final proposed rates, factors such as ability to pay, continuity of past rate philosophy, economic

development, ease of administration, and customer understanding may be taken into consideration. However, the proposed rates must take into consideration each customer class's proportionate share of the costs allocated through the cost of service analysis to meet Proposition 218 requirements.

2.6 Economic Theory and Rate Setting

One of the major justifications for a comprehensive rate study is founded in economic theory. Economic theory suggests that the price of a commodity must roughly equal its cost if equity among customers is to be maintained. This statement's implications on utility rate designs are significant. For example, a water utility usually incurs capacity-related costs to meet summer outdoor watering needs. It follows that the customers who create excessive demands on the system and create the need for upsizing of the distribution system should pay for those over-sized facilities in proportion to their contribution to total system demand requirements. When costing and pricing techniques are refined, consumers have a more accurate understanding of what the commodity costs to produce and deliver.

“Economic theory suggests that the price of a commodity must roughly equal its cost if equity among customers is to be maintained.”

2.7 Summary

This section of the report has provided a brief introduction to the general principles, techniques, and economic theory used to set utility rates. These principles and techniques will become the basis for the District's analysis. The next section will review the development of the revenue requirement for the water rate study.



3 Development of the Revenue Requirement

3.1 Introduction

This section describes the development of the revenue requirement analysis for the District's water rate study. The revenue requirement analysis is the first analytical step in the comprehensive rate study process. This analysis determines the adequacy (level) of the District's overall water rate levels. From this analysis, a determination can be made as to the overall level of water revenue adjustment needed to provide adequate and prudent funding for both operating and capital needs.

In developing the water revenue requirement, it was assumed the water utility must financially "stand on its own" and adequately fund both operations and capital. As a result, the revenue requirement analysis as developed herein assumes the full and proper funding needed to operate and maintain the water system on a financially sound and prudent basis over a long-term period. This results in stable rate levels from both the District's and customers perspective and minimizes large rate swings over time.

Provided below is a detailed discussion of the development of the revenue requirement analysis for the District's water utility.

3.2 Establishing a Time Frame and Approach

The first step in calculating the revenue requirement was to establish a time frame for the revenue requirement analysis. For this study, the revenue requirement was developed for a ten-year projected time period (FY 2025 – FY 2033), not including the FY 2024 adopted budget year. While a ten-year period was reviewed, for long-term sustainability purposes, the focus of the rate setting process for Proposition 218 is the next five-year period of FY 2025 – FY 2029.

The second step in determining the revenue requirement for the District, was to decide on the basis of accumulating costs. For the District's revenue requirement, a "cash basis" approach was utilized, which is also the approach used in past studies completed by the District. As was discussed in Section 2, the cash basis approach is the most common methodology used by municipal utilities such as the District to set their revenue requirement. Section 2 of this report also provided a simple overview of the cash basis methodology. The actual revenue requirement developed for the District was customized to follow the District's system of accounts (budget documents), which contains the four basic cost components of a cash basis methodology. Table 3-1 provides a summary of the specific components within the cash basis approach used to develop the District's revenue requirement.

Table 3-1
Overview of the Water Utility Cash Basis Revenue Requirement

+ Water Operation and Maintenance Expenses
+ Transfer / Taxes
+ Rate Funded Capital[1]
<u>+ Debt Service (P + I) – Existing and Future</u>
= Total Water Revenue Requirement
<u>- Miscellaneous Revenues</u>
= Net Revenue Requirement (Balance Required from Rates)

[1] Rate Funded Capital
+ Total Water Capital Improvement Projects
- Funding Sources Other than Rates
✓ Connection Fees
✓ Capital Reserves
<u>✓ Long term debt issues</u>
= Rate Funded Capital

Given a time period around which to develop the revenue requirement and a method to accumulate the appropriate costs; the focus shifts to the development and projection of the revenues and expenses of the water utility.

The primary financial inputs in this process were the District’s historical billing records, adopted water operating budget, and capital improvement plan. Presented below is a detailed discussion of the steps and key assumptions in the development of the District’s water projected revenues and expenses.

3.3 Projection of Revenues

The starting point of the analysis is the projection of revenues received by the District for providing water services. These revenue sources include rate revenues, or revenues received from customers, along with other miscellaneous revenues received as part of operating a water utility. Provided below is a summary of the revenues received by the District’s water utility.

3.3.1 Projecting Water Rate Revenues

The first step in developing the revenue requirement was to develop a projection of rate revenues, at present rate levels. This process involved developing a revenue projection based on historical billing units for each customer group such as meters by size and consumption by customer class and by consumption tier where applicable. The billing units for each customer group were then multiplied by the applicable current rates. This method of independently calculating rate revenues provides the linkage between the projected rate revenues used within the analysis and the projected billing units (i.e., meters, consumption) for revenue projections, cost allocation and distribution, and rate design.

The majority of the District’s rate revenues are derived from single-family customers. Currently, the District has three classes of service, or rate schedules. These are: single-family, multi-family, and commercial customers.

In total, at present rates, the District is projected to receive approximately \$15.3 million in rate revenue in FY 2024. Over the planning horizon of this study, customer growth is assumed to increase 0.2% annually resulting in projected rate revenue in FY 2033 of \$15.4 million.

3.3.2 Projecting Miscellaneous Revenues

In addition to rate revenues, the District also receives a variety of miscellaneous revenues which includes property tax, capacity charges, connection fees, and interest income. The sum of the miscellaneous revenue is approximately \$7.2 million in FY 2024 and increases to \$8.4 million in FY 2033. The District receives a approximately \$3.5 million from property taxes and also is expected to receive approximately \$7.0 million from federal aid over the next three years.

3.4 Projecting Operation and Maintenance Expenses

Operation and maintenance (O&M) expenses are incurred by the District to operate and maintain the existing plant in service and provide water service. In general, operation and maintenance expenses are grouped into a number of different functional categories. HDR reviewed the District’s FY 2024 adopted budget and determined it contained sufficient detail to develop the revenue requirement analysis. Therefore, in developing this analysis, HDR maintained the overall functional nature of the District’s system of accounts (i.e., underground repair, pumps, etc.).

Once the FY 2024 expenses were developed, escalation factors were developed for the basic types of expenses the District incurs: salaries, benefits, professional service, materials and supplies, equipment, miscellaneous, and utilities. The escalation factors developed for the projection of the District’s O&M expenses were in the range of two to eight percent per year, depending on the type of cost and recent inflationary trends. Provided in Table 3-2 is a summary of the escalations factors used with the study.

**Table 3–2
Summary of the Average Annual Escalation Factors**

Type of Expense	FY 2025-2033
Labor	3.6%
Dental & Vision Benefits	3.0%
Medical Benefits	3.6%
Worker's Compensation	2.0%
Materials & Supplies	2.0%
Insurance	2.0%
OPEB	2.0%
Professional Services	2.0%
Repairs & Maintenance	2.0%
Equipment	2.0%
Miscellaneous	2.0%
Utilities	2.0%

For 2025 salaries and benefits were escalated at 8% to account for implementing the results of a compensation study. Total O&M expenses for the District are projected to be approximately \$12.5 million in FY 2024, increasing to approximately \$16.0 million by FY 2033 as a result of expected inflation.

3.5 Projecting Capital Project Funding

The District's capital plan includes significant funding for replacing and upsizing waterlines. The District intends to pay for the necessary capital improvement projects with a mix of long-term debt and annual rate funding.

The District anticipates spending between \$1.4 and \$9.5 million per year on capital projects. The balance of the required funds for the District's capital plan are expected to be funded with periodic long-term debt. The additional debt issues are funded through the annual debt service payments and included in the development of the revenue requirement. A summary of the water capital improvement funding plan is provided in Table 3-3.

**Table 3-3
Overview of the Water Capital Improvement Plan (000's)**

	Budget	Projected								
	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2032	FY 2033
Capitalized Engineering	\$2,177	\$2,318	\$2,382	\$2,447	\$2,515	\$2,584	\$2,656	\$2,729	\$2,805	\$2,883
Debt Service	941	1,454	1,551	1,577	2,043	2,457	2,660	2,249	2,306	2,366
Capital Improvement Projects	16,500	9,260	9,964	17,196	15,785	15,289	14,006	14,658	15,952	12,379
Capital Reserve Funding	0	2,897	525	146	4,963	2,760	0	893	0	1,634
Total Capital Investment	\$19,619	\$15,928	\$14,422	\$21,367	\$25,306	\$23,089	\$19,322	\$20,529	\$21,063	\$19,262
Capital Plan Funding										
Capital Reserve	\$1,962	\$0	\$0	\$0	\$0	\$0	\$1,895	\$0	\$3,245	\$0
Capacity/Connection Fees	354	354	354	354	354	354	354	354	354	354
Debt Proceeds	8,321	5,800	5,585	8,183	10,542	7,499	1,503	3,058	0	0
Capital Funded from Rates	8,982	9,774	8,483	12,830	14,410	15,236	15,570	17,117	17,464	18,908
Total Capital Funding	\$19,619	\$15,928	\$14,422	\$21,367	\$25,306	\$23,089	\$19,322	\$20,529	\$21,063	\$19,262

A general financial guideline is that, at a minimum, a utility should fund an amount equal to or greater than annual depreciation expense through rates. The District's annual depreciation for the water utility is approximately \$3 million. Annual depreciation expense reflects the current investment in plant being depreciated or "losing" its useful life. Therefore, this portion of infrastructure needs to be replaced to maintain the existing level of infrastructure. It must also be kept in mind that, in theory, annual depreciation expense reflects an investment in infrastructure an average of 15 years ago, assuming a 30-year depreciable (useful) life. Simply funding an amount equal to annual depreciation expense will not be sufficient to replace the existing or depreciated facility. Therefore, consideration should be given to funding within rates some amount greater than annual depreciation expense for renewals and replacements. Whenever possible, the District should be funding capital projects from rates in an amount greater than annual depreciation expense. The District is currently projected to fund an average of \$7.5 million annually on capital projects, and increasing over the rate study projected period. While this level of funding is greater than annual depreciation, it is important for the District to continually review the renewal and replacement needs as well as fire flow improvements to ensure adequate funding on an annual basis to maintain and improve the water system.

3.6 Projection of Annual Debt Service

The District currently has a number of outstanding loans which funded water lines and meter installations. The District's current capital plan is substantial and to reduce the short-term rate impacts to customers the District plans to issue additional long-term debt.

During the last rate study the majority of the District's customers were unmetered. In 2004 AB 2572 requires all customer to be metered by 2025, which is the reason for the need for meter installations. In FY 2024 the District had \$1,375,555 in annual debt service payments, based on current interest rates ranging from 0% to 2.5%. Based on the capital funding plan, and planned issuance of long-term debt, the District has estimated future debt issuance with rates between 2.7% and 4.5% over a 20 year term. It is projected that annual debt service payments will increase over the projected time period reaching approximately \$4.0 million by FY 2029.

It is important to note that HDR is not advising the District on the terms of any bond issuances but rather identifying the overall funding needs. The District will work with an independent financial advisor and District financial staff for the issuance of long-term debt. HDR is not acting in a municipal advisor role to the District for the issuance of any long-term borrowing.

3.7 Summary of the Revenue Requirement Analysis

Given the above projections of revenues and expenses, a summary of the revenue requirement for the District's water utility can be developed. In developing the revenue requirement, consideration was given to the financial planning considerations of the District. In particular, emphasis was placed on attempting to minimize rates, yet still have adequate funds to support the operational activities and capital projects throughout the projected time period. Presented in Table 3-4 is a summary of the water revenue requirement. A detailed analysis of the revenue requirement can be found in the Exhibits 2 through 4 in the Technical Appendices.

**Table 3-4
Summary of the Revenue Requirement Analysis (000's)**

	Budget	Projected								
	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2032	FY 2033
Sources of Funds										
Rates	\$15,344	\$15,342	\$15,356	\$15,371	\$15,386	\$15,402	\$15,414	\$15,436	\$15,459	\$15,482
Other Revenues	<u>7,186</u>	<u>8,330</u>	<u>7,021</u>	<u>6,288</u>	<u>6,852</u>	<u>7,413</u>	<u>7,705</u>	<u>7,897</u>	<u>8,176</u>	<u>8,387</u>
Total Sources of Funds	\$22,530	\$23,672	\$22,377	\$21,659	\$22,238	\$22,815	\$23,120	\$23,333	\$23,635	\$23,868
Applications of Funds										
Operations & Maintenance Expenses	\$12,523	\$14,942	\$14,772	\$13,810	\$14,157	\$14,514	\$14,880	\$15,255	\$15,640	\$16,035
Rate Funded Capital:	8,982	9,774	8,483	12,830	14,410	15,236	15,570	17,117	17,464	18,908
Debt Service	1,376	1,930	2,138	2,260	3,155	4,076	4,427	3,951	3,951	3,951
To / (From) Reserves	<u>(350)</u>	<u>(1,517)</u>	<u>(1,551)</u>	<u>(1,577)</u>	<u>(2,043)</u>	<u>(2,457)</u>	<u>(2,660)</u>	<u>(2,249)</u>	<u>(2,306)</u>	<u>(2,366)</u>
Total Revenue Requirement	\$22,530	\$25,129	\$23,841	\$27,323	\$29,678	\$31,369	\$32,216	\$34,074	\$34,749	\$36,528
Balance/(Def.) of Funds	\$0	(\$1,457)	(\$1,464)	(\$5,664)	(\$7,440)	(\$8,555)	(\$9,096)	(\$10,741)	(\$11,114)	(\$12,660)
Balance/(Def.) of Funds as % of Rates	0.0%	9.5%	9.5%	36.8%	48.4%	55.5%	59.0%	69.6%	71.9%	81.8%
Proposed Rate Adjustment	0.0%	9.5%	9.5%	9.5%	9.5%	9.5%	9.5%	9.5%	9.5%	9.5%

It is important to note the annual deficiencies (line noted as “Bal/(Defic.) of Funds”) in Table 3-4 are cumulative. That is, any adjustment in the initial years will reduce the cumulative deficiency in the following years. The results of the revenue requirement analysis indicate a deficiency of funds over the planning period. These results indicate that the District’s water revenues will need to increase by 9.5% annually in FY 2025 through FY 2029. The calculation of the proposed revenue adjustments are based on the annual deficiency of funds divided by the current rate revenues to determine the percentage revenue adjustment necessary to fund annual operating and capital expenses.

3.8 Consultant’s Recommendations

Based on the revenue requirement analysis developed, HDR recommends the District increase the overall revenue levels of the water utility based on the proposed adjustments shown in Table 3-4 during the next five-year period. The first proposed revenue adjustment would be in FY 2025. Subsequent years of adjustments, through FY 2029 are proposed, to fund the annual debt service payments and meet debt service coverage ratios. Table 3-5 shows the proposed revenue transition plan for the next ten-year period. The proposed rate adjustments would allow the District to fund projected O&M and capital needs over the next ten-year period for the water utility.

Table 3-5 Ten-Year Rate Transition Plan								
FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2032	FY 2033
9.5%	9.5%	9.5%	9.5%	9.5%	9.5%	9.5%	9.5%	9.5%

3.9 Summary

This section of the report has summarized the development of the revenue requirement for the District’s water utility. The revenue requirement resulted in a projection of revenue adjustments necessary to prudently fund the water utility operating and capital infrastructure requirements over the next five-year period. The next section will discuss the cost of service analysis, or proportional distribution of costs, to the customer’s served by the District.



4 Development of the Cost of Service

In the previous section, the revenue requirement analysis focused on the total sources and application of funds required to adequately fund the District's water utility operating and capital needs. This section of the report will discuss the development of the cost of service analysis. A cost of service analysis is concerned with the proportional distribution of the total revenue requirement to the District's water customer classes of service (e.g., single-family, multi-family, commercial). The previously developed revenue requirement was functionalized, allocated and distributed using generally accepted cost of service principles as outlined in the AWWA M1 Manual for the District's study.

In recent years, increasing emphasis has been placed on cost of service studies to meet Proposition 218 requirements. Following the generally-accepted guidelines and principles of a cost of service analysis will inherently lead to rates which are proportional and cost-based and reflect the requirements of Proposition 218.

4.1 Objectives of a Cost of Service Study

There are two primary objectives in conducting a water cost of service study:

- ✓ Proportionally distribute the revenue requirement to the customer classes of service
- ✓ Derive average unit costs for subsequent rate designs

The objectives of the water cost of service analysis are different from determining revenue requirement. As noted in the previous section, a revenue requirement analysis determines the utility's overall financial needs, while the cost of service study determines the proportional manner to collect the revenue requirement.

The cost of service analysis results in unit costs which are used to design the proposed water rates which reflect the costs incurred by the customers. For example, a water utility incurs costs related to average day, peak day, customer-cost components, and fire protection. Each of these types of costs may be collected in a slightly different manner as to allow for the development of rates that collect costs in the same manner as they are incurred.

4.2 Determining the Customer Class of Service

The first step in a cost of service study is to determine the customer classes of service. Currently, the District has a separate rate schedule for single family, multi-family, and commercial customer types. In determining classes of service for cost of service purposes, the objective is to group customers together into similar or homogeneous groups based upon facility requirements and/or consumption characteristics. HDR reviewed the customer classes of service and recommends maintaining the District's current customer classes of service (i.e., rate schedules).

Based on this recommendation, the classes of service used within the cost of service analysis for cost distribution purposes are:

- ✓ Single family – Tier 1
- ✓ Single family – Tier 2
- ✓ Multi-family
- ✓ Commercial

4.3 General Cost of Service Procedures

A cost of service study utilizes a three-step approach to review costs. These were previously discussed in our generic discussion in Section 2, and take the form of functionalization, allocation, and distribution. Provided below is a detailed discussion of the water cost of service study conducted for the District, and the specific steps taken within the analysis.

4.3.1 Functionalization of Costs

The first analytical step in the cost of service process is called functionalization. Functionalization is the arrangement of expenses and asset (infrastructure) data by major operating functions within each utility. For example, a water utility generally incurs costs for source, treatment, distribution, etc. Within this study, the functionalization of the cost data was accomplished through the District's system of accounts and asset data.

4.3.2 Allocation of Costs

The second analytical task performed in a cost of service analysis is the allocation process. Allocation determines why the expenses were incurred or what type of need is being met. The District's plant accounts and revenue requirement were reviewed and allocated using the following cost components:

- ✓ **Commodity Related Costs:** Commodity costs are those costs which tend to vary with the total quantity of water consumed by a customer class. Commodity costs are those incurred under average day (demand) conditions and are generally specified for a period of time such as a month or year. Chemicals or utilities (electricity) are examples of commodity-related cost as these costs tend to vary based upon the total demand of water. For the proposed tiered rate structure for single-family, the commodity costs are allocated for each tier based on the total consumption billed in each tier based for the proposed tier sizes rather than in total for the multi-family and commercial customers.

- ✓ **Capacity Related Costs:** Capacity costs are those which vary with peak demands, or the maximum rates of flow to customers. System capacity is required when there are large demands for water placed upon the system (e.g., summer lawn watering). For water utilities, capacity related costs are generally related to the sizing of facilities needed to meet a customer’s maximum water demand at any point in time. For example, portions of distribution storage tanks, pumps, and mains (pipes) must be adequately sized to meet the peak demands of all customers. Similar to the commodity related costs, capacity related costs are allocated for each single family tier, multi-family, and commercial customer classes based on the peaking factor for those customers in each tier to reflect the costs associated with higher consumption in each tier. Capacity costs were split between supply capacity, related to providing peak event consumption, and distribution capacity, related to system peak demands.
- ✓ **Customer Related Costs:** Customer related costs vary with the addition or deletion of a customer. Customer related costs typically include the costs of billing, collecting, and accounting. Customer related costs may also be further categorized as actual or weighted.
- ✓ **Fire Protection Related Costs:** Fire protection costs are those costs related to the public fire protection functions. Usually, such costs are those related to public fire hydrants and the over-sizing of mains and distribution storage tanks for fire protection purposes.
- ✓ **Direct Assignments:** Certain costs associated with operating the utility may be directly traced to a specific customer or class of service. These costs are then “directly assigned” to that specific class of service.

4.3.3 Development of Distribution Factors

Once the allocation process is complete, the allocated costs are distributed to each customer class of service. For the District’s study, allocated costs were distributed to the customer classes of service using the following distribution factors.

- ✓ **Commodity Distribution Factor:** As noted earlier, commodity-related costs vary with the total water consumption. Therefore, the commodity distribution factor was based on the projected total metered consumption plus losses for each class of service and tier for the projected

Terminology of a Water Cost of Service Analysis

Functionalization – The arrangement of the cost data by functional category (e.g. Distribution, pumping, treatment).

Allocation – The assignment of functionalized costs to cost components (e.g. average day, peak day, and customer related).

Distribution – Distributing the allocated costs to each class of service based upon each class’s proportional contribution to that specific cost component.

Commodity Costs – Costs that are classified as commodity related vary with the total consumption of water (e.g., power for pumping).

Capacity Related Costs – Costs classified capacity related refer to the peak demand on the system. Different types of customers may have high water peak demand characteristics and high demand system components are a significant cost to the water system. Treatment facilities are often designed and sized around meeting these costs.

Customer-Related Costs – Costs classified as customer related vary with the number of customers on the system, e.g., billing costs.

Fire Protection-Related Costs – Costs classified as fire protection related vary with different fire protection requirements of the different customer classes.

Direct Assignment – Costs that can be clearly identified as belonging to a specific customer group or group of customers.

test period. A distribution factor was developed for multifamily, commercial, and the single family tiers to reflect the consumption for each customer class and tier.

- ✓ **Capacity Distribution Factor:** The capacity distribution factor was developed based on the assumed contribution to peak day demands of each class. Peak day demands by customer class of service and tier was developed using peaking factors for each customer group and tier. In this particular case, the peaking factor was defined as the relationship between peak day contribution and average day use and determined for each customer group based on a review of the average month to peak month consumption. Given an estimated peaking factor, the peak day contribution for each class of service was developed. The peak factors were developed for multifamily, commercial, and each tier for single-family which reflects the increased peaking factor for those customers using higher levels of consumption. Capacity costs were split into two categories: supply capacity and distribution capacity. Supply capacity is related to the customer class's peak use. Therefore, coincident peak day demand is used to allocate water supply related costs. Distribution capacity costs were allocated based on the capacity requirements of each customer class. The overall system capacity is designed based on the sum total of demands placed on it by each individual customer meter. Therefore, non-coincident peak day demand was used to allocate costs incurred as a result of the capacity (demand) requirements of the water mains and storage tanks.
- ✓ **Customer Distribution Factor:** Customer costs within the cost of service study are allocated to each customer class of service based on their respective customer counts. The number of customers, by customer class of service, was developed within the revenue requirement study. In total four types of customer allocation factors were developed for the costs of service, actual customer, dwelling units, customer accounts, and meters & services. Customer costs do not vary by the average day or peak day use of the class of service and are based on one of the three customer allocation factors developed. Actual customer is based on the number of customer accounts. Weighted customer intends to reflect the disproportionate costs associated with various customers. These customers can be assigned a higher per customer cost as they require additional administrative costs and possible monitoring. Lastly meters & services reflects the capacity each customer class places on the system assuming the sum of customer meter size capacity.
- ✓ **Fire Protection Distribution Factor:** The development of the distribution factor for public fire protection expenses involved an analysis of each class of service and their fire flow requirements. The analysis took into account the gallon per minute fire flow requirements in the event of a fire, along with the duration of the required flow. The fire flow rates used within the distribution factor were based on industry standards and similar experiences with other water cost of service studies. The minimum fire flow requirements are then multiplied by the number of customers in each class of service, and the assumed duration of the fire, to determine each class's prorated fire flow requirements.

Given the development of the allocation factors, the final step in the cost of service study is to distribute the allocated costs to the various customer classes of service.

4.4 Functionalization and Allocation of Plant in Service

In performing the functionalization of plant in service, HDR utilized the District's historical plant (asset) records. Once the plant assets were functionalized, the analysis shifted to the allocation of

the asset. The allocation process included reviewing each group of assets and determining which cost component the assets were related to. For example, the District assets were allocated as: commodity-related, capacity-related, customer-related, revenue-related, fire protection-related, or a direct assignment. Provided below is a summary of the allocation process. The following approach is based on the methodology as described in the AWWA M1 Manual and the District's facility requirements and infrastructure.

Source of supply – Source of supply was allocated as 100% Commodity as source of supply generally consists of wells that are usually not intended to meet peak demand.

Treatment – Treatment was allocated 42% to commodity and 58% to capacity-supply. This reflects the purpose of the treatment facilities, to meet both average day and peak day needs of the system.

Pumping Equipment – Pumping equipment was also allocated as 42% to commodity and 58% to capacity-supply to reflect average day and peak day.

Transmission & Distribution – Transmission and distribution lines (mains) are typically assumed to provide three types of costs. First, a distribution system must be in place to meet a customer's minimum use requirements for water. This portion of the distribution main plant investment is considered to be a customer related cost, or a function of the number of customers on the system. Next, a portion of the distribution system mains is considered a function of meeting peak flow requirements on the system. Distribution mains must be sized to adequately meet the maximum (peak) flows demanded by customers. This portion of the distribution main plant investment is considered capacity related. Finally, distribution mains must also be over-sized for public fire flow demands. This final portion of over-sizing for distribution plant investment is classified as fire protection-related. Based on an analysis of the District's distribution main size and lengths, a minimum system analysis was completed to develop the assignment of the distribution mains as 29% customer - weighted by meters and service, 63% capacity-distribution related, and 8% fire protection related.

Table 4 - 1 provides a summary of the basic functionalization and allocation of the major water plant items. A more detailed exhibit of the functionalization and allocation of Districts water plant (assets) can be found in the Technical Appendix in Exhibit 11.

**Table 4-1
Summary of the Allocation of Water Utility Plant in Service**

Plant Component	Com.	Capacity		Customer			Rev. Related	Fire Protection	Direct Assign
		Supply	Dist.	Actual Cust.	Weighted Cust.	Weighted Meters & Svc			
Source of Supply	100%	0%	0%	0%	0%	0%	0%	0%	0%
Water Rights	100%	0%	0%	0%	0%	0%	0%	0%	0%
Treatment Plant	42%	58%	0%	0%	0%	0%	0%	0%	0%
Pump/Force Mains	42%	58%	0%	0%	0%	0%	0%	0%	0%
Trans & Dist.	0%	0%	63%	0%	0%	29%	0%	8%	0%
Land & Easement	16%	6%	50%	0%	0%	23%	0%	6%	0%
Other Land Rights	16%	6%	50%	0%	0%	23%	0%	6%	0%
Construction In progress	16%	6%	50%	0%	0%	23%	0%	6%	0%
G&A Equipment	16%	6%	50%	0%	0%	23%	0%	6%	0%

4.5 Functionalization and Allocation of Operating Expenses

Operating expenses are generally functionalized and allocated in a manner similar to the corresponding plant account. For example, maintenance of distribution lines is typically allocated in the same manner (allocation percentages) as the similarly corresponding plant account for distribution lines like underground repairs. This approach to allocation of operating expenses was used for this analysis.

For the District’s study, the revenue requirement for FY 2025 was functionalized, allocated, and distributed. As noted earlier, the District utilized a cash basis revenue requirement, which was comprised of operation and maintenance expenses, debt service, and rate funded capital. Table 4-2 provides a breakdown of allocated expenses. A more detailed review of the allocation of revenue requirement can be found in the Technical Appendix, Exhibit 12.

**Table 4-2
Summary of the Allocation of the Water Revenue Requirement (\$000)**

Total	Com.	Capacity		Customer			Rev. Related	Fire Protection	Direct Assign
		Supply	Dist.	Actual Cust.	Weighted Cust.	Weighted Meters & Svc			
\$16,799	\$1,996	\$1,986	\$7,440	\$0	\$0	\$4,489	\$0	\$887	\$0
100.0%	11.9%	11.8%	44.3%	0.0%	0.0%	26.7%	0.0%	5.3%	0.0%

4.6 Major Assumptions of the Cost of Service Study

A number of key assumptions were used within the District’s water cost of service study. Below is a brief discussion of the major assumptions used.

- ✓ The test period used for the cost of service analysis was FY 2025. The revenue and expense data was previously developed within the revenue requirement analysis.
- ✓ A cash basis approach was utilized which conforms to generally accepted water cost of service approaches and methodologies. Under the cash basis approach, the revenue requirement previously developed are distributed to each customer class of service.
- ✓ The allocation of plant in service was developed based on generally accepted cost allocation techniques. Furthermore, the allocation process was developed using the District specific data and the District’s operation of the water system.

4.7 Summary Results of the Cost of Service Analysis

In summary form, the cost of service analysis began by functionalizing the District’s infrastructure records and FY 2025 revenue requirement. The functionalized infrastructure and revenue requirement was then allocated to the appropriate cost component(s). The individual allocation totals were then distributed to the customer classes of service based on the appropriate distribution factor(s). The distributed expenses for each customer group were then aggregated to determine each customer group’s overall revenue responsibility. A summary of the detailed cost responsibility developed for each class of service is shown below in Table 4-3.

Table 4 – 3 Summary of the Distribution of the Water Revenue Requirement (\$000)				
Cost Classifier	Total Costs	Single Family	Multifamily	Commercial
Commodity	\$1,996	\$1,013	\$341	\$642
Capacity - Supply	1,986	1,047	319	620
Capacity - Distribution	7,440	6,124	1,316	0
Actual Customer	4,489	3,695	794	0
Public Fire Protection	887	845	42	0
Revenue Related	0	0	0	0
Direct Assignment	0	0	0	0
Total	\$16,799	\$12,724	\$2,813	\$1,262

The distribution of costs reflects the benefits received from infrastructure in place to provide service and the resulting operating expenses for each customer class of service. The difference between the rate revenues and distributed costs for each class of service represents the variance from current rate levels to reflect this cost of service analysis. It is important to remember that a cost of service analysis is not an exact calculation. Rather it reflects the current relationships between current customer rate revenues and current costs. Cost of service relationships can change over

time given changes in the way costs may be incurred, along with changes in customer characteristics.

The revenue requirement determined the overall revenue adjustment necessary to fund operating and capital expenses. The cost of service results provide an indication of how the overall revenue adjustment should be collected. Table 4-4 provides the results of the Cost of Service comparing the revenue at current rates to the allocated costs.

Table 4 - 4 Summary of the Cost of Service Analysis (\$000)				
Class of Service	Present Revenue (FY 2025)	Allocated Costs	\$ Difference	% Difference
Single Family	\$10,078	\$11,123	(\$1,045)	10.4%
Multifamily	2,089	2,262	(173)	8.3%
Commercial	<u>3,175</u>	<u>3,414</u>	<u>(239)</u>	<u>7.5%</u>
Total	\$15,342	\$16,799	(\$1,457)	9.5%

In reviewing the above results, it should also be understood that a cost of service analysis is based on one year’s data and customer information, and customer characteristics may change over time. Therefore, it is appropriate to determine whether these findings are consistent over time, by conducting a cost of service analysis periodically to support the rates charged to the various customer classes of service. While the above results are reasonable, given the requirements of Proposition 218, the proposed rates need to reflect the results of the cost of service analysis, and specifically the average unit costs.

Average unit costs are based on the distribution of costs to the various cost of service characteristics divided by the appropriate consumption or equivalent meters. These unit costs, or cost-based rates become the rates in year 1 of the proposed rates. In this way, the rates reflect the results of the cost of service and the proportional distribution of costs. Provided in Table 4-5 is a summary of the unit costs.

Table 4 - 5 Summary of the Unit Costs					
	Commodity Costs (\$/CCF)	Capacity Costs (\$/CCF)	Direct Assignment Costs (\$/CCF)	Total Unit Costs (\$/CCF)	Differential Costs (\$/CCF)
Single-family					
Tier 1, 0 – 15 CCF	\$1.12	\$0.91	\$0.00	\$2.03	N/A
Tier 2, Over 15 CCF	1.12	1.91	0.00	3.02	1.00
Multi-family	1.12	1.04	0.00	2.16	N/A
Commercial	1.12	1.08	0.00	2.20	N/A

These unit costs were developed based on the allocation of costs for each component, consumption, and capacity, divided by the estimated total system volume. One of the key uses of this data is to determine the rate differential between each single-family tier as well as the unit costs for multi-family and commercial. It should also be noted that the above unit costs do not include the fixed cost component which is developed on meter size basis. These customer, or fixed charges, are in addition to the consumption charges developed above. A more detailed discussion of the development of the unit costs is provided in the rate design section of this report.

4.8 Consultant's Conclusions and Recommendations

The results of the cost of service show minor cost differences between the various customer classes of service. While the cost difference are minor, it is recommended that the District implement rates that reflect the results of the cost of service. Furthermore, the unit costs become the basis for the rates in the first year of the proposed rates. Future years are adjusted "across the board" based on the overall revenue needs as developed in the revenue requirement for the time period established by the Board and the Proposition 218 process.

4.9 Summary

This section of the report has provided an analysis of the cost of service analysis developed for the District. This analysis was prepared using generally accepted cost of service techniques. The next section of the report will review the present and proposed water rates for the District.

5 Development of the Rate Designs

The final step of a comprehensive rate study is the design of rates to collect the desired levels of revenues, based on the results of the revenue requirement and cost of service analyses. In reviewing water rate designs, consideration is given to the level of the rates and the structure of the rates. The level of the rates refers to the amount of annual revenues received through rates. The structure of the rate is how the customer is charged. The combination of the level of rates, and structure of rates, provides a price signal to the customer on how their use impacts the costs of the system.

5.1 Rate Design Criteria and Considerations

Prudent rate administration dictates that several criteria must be considered when setting utility rates. Some of these rate design criteria are listed below:

- ✓ Rates which are easy to understand from the customer's perspective
- ✓ Rates which are easy for the utility to administer
- ✓ Consideration of the customer's ability to pay
- ✓ Continuity, over time, of the rate making philosophy
- ✓ Policy considerations (encourage efficient use, economic development, etc.)
- ✓ Provide revenue stability from month to month and year to year
- ✓ Promote efficient allocation of the resource
- ✓ Equitable and non-discriminatory (cost-based)

The focus of the District's water rate study is to develop cost-based rates, and is the primary guidance to utilities on rate structure and policy. It is important that the District provide its customers with a proper price signal as to what their consumption is costing. This goal may be approached through rate level and structure. When developing the proposed rate designs, all the above listed criteria can be taken into consideration. However, it should be noted that it is difficult, if not impossible, to design a rate that meets all the goals and objectives listed above. For example, it may be difficult to design a rate that takes into consideration the customer's ability to pay, and one which is cost-based. In designing rates, there are always trade-offs between a utility's rate design goals and objectives.

5.2 Development of Cost-Based Rates

Developing cost-based and equitable rates is of paramount importance in developing proposed water rates. While always a key consideration in developing rates, meeting the legal requirements, and documenting the steps taken to meet the requirements, has been in the forefront with the recent legal challenges in the State of California on water rates. Given this, the District's proposed water rates have been developed to meet the requirements of California constitution article XIII D, section 6 (Article XIII D). A key component of Article XIII D is the development of rates which reflect the cost

of providing service and are proportionally allocated among the various customer classes of service. HDR would point out that there is no single prescribed methodology for equitably assigning costs to the various customer groups. The American Water Works Association (AWWA) M1 Manual clearly delineates various methodologies which may be used to establish cost-based rates. Article XIII D does not prescribe a particular methodology for establishing cost-based rates; consequently, HDR developed the District's proposed water rates based on the methodologies provided in the AWWA M1 Manual and the District's customer and system characteristics and costs to meet the requirements of Article XIII D and to provide an administrative record of the steps taken to establish the District's water rates.

HDR is of the opinion that the proposed rates comply with legal requirements of Article XIII D. HDR reaches this conclusion based upon the following:

- **The revenue derived from water rates does not exceed the funds required to provide the property related service (i.e., water service).** The proposed rates are designed to collect the overall revenue requirements of the District's water utility.
- **The revenues derived from water rates shall not be used for any purpose other than that for which the fee or charge is imposed.** The revenues derived from the District's water rates are used exclusively to operate and maintain the District's water system.
- **The amount of a fee or charge imposed upon a parcel or person as an incident of property ownership shall not exceed the proportional costs of the service attributable to the parcel.** Section 4 of this report focused exclusively on the issue of proportional assignment of costs to customer classes of service. The proposed rates have appropriately grouped customers into customer classes of service, single-family, multi-family and commercial that reflect the varying consumption patterns and system requirements of each customer class of service. The grouping of customers and rates into these classes of service creates the proportionality expected under Article XIII D by having differing rates by customer classes of service which reflect both the level of revenue to be collected by the utility, but also the manner in which these costs are incurred and assigned to customer classes of service based upon their proportional impacts and burdens on District's the water system.

The District currently has different rate structure for each of its three customer classes of service. Single-family customers are charged a monthly meter charge which varies by size as well as a consumption charge for each of the tiers. The tier size for single family are 0 to 15 hundred cubic feet (CCF) for tier 1 and over 15 CCF feet per month. Both multi-family and commercial are charged a monthly meter charge which is the same as single-family and a uniform rate for all consumption as opposed to the tiered single family rate. This is a typical approach for multi-family and commercial customers given the different types of customers as will be explained later in this report. Based on the review of the current rate structures, it is recommended that the individual rate component charges reflect the overall revenue needs and cost of service results, while maintaining the current rate structure.

As a part of this study, HDR developed a water rate design discussion to clearly demonstrate and support the proposed water rates and tiered pricing for the single-family customer class. The following discussion provides a more detailed analysis of the costing techniques and methodologies used to support the District's proposed rate design.

5.2.1 Determination of Sizing and Number of Tiers

The first step in reviewing the District's current, and proposed, tiered rate structure is to identify the number of tiers and determine the size of the tiers. After reviewing the customer consumption patterns, it was determined that the current tier size reflect the consumption patterns of the single-family customer class.

Given the variability of multi-family and commercial customers overall use and the diversity of customer's within the class, it is difficult to develop tiers which reflect the typical customer consumption habits like is done for single-family customers. For example, a multi-family complex may have 5 living units or 50 living units. As a result, the overall consumption levels are different and that makes it difficult to develop a tiered rate structure that is proportional to all customers. It should also be noted that while the overall consumption (total usage) can vary for different size multi-family customers, the overall characteristics and patterns remain the same. As a note, the same can be said for commercial customers, while single-family customers overall consumption patterns are very similar (homogeneous) and behave in a much more like manner. With this variability of possible water use it is recommended that multi-family and commercial customers would remain with a uniform rate, or a single rate for all consumption.

5.2.2 Establishing the Cost-Basis for Pricing Tiers

Given past legal decisions regarding water rates, HDR has concluded that utilities have available to them at least three technical approaches to be able to demonstrate (i.e., cost justify) the individual pricing of the tiers. These technical approaches encompass the following areas:

1. Cost differences in water supply (i.e., stacking of water supply resources to tiers).
2. Cost differences from high peak use consumers (relationship of average use to peak use).
3. Direct assignment of costs to specific tiers (conservation program costs, etc.).

In certain cases, the cost differences may be related to the cost of water supply when a utility has more than one source of water supply. Additionally, this water supply approach may also include the cost of alternative water supplies (e.g., recycled or reuse water). For example, reuse water may be assigned to higher tiers to reflect outdoor use or the need for additional/alternative water supply to meet the demands of the high use customers.

The second possible source of cost differences for the pricing of tiers is related to high-peak use (peak demand) customers. Customers that use more water create greater demands and costs on the system. A water supply and distribution system must be sized to meet these peak use requirements. In other words, on the hottest day of the year when everyone is watering their lawn, the supply and distribution system must be sized to meet those peak use demands. Economic theory clearly states that equity is achieved when those that create the demand event, pay for the demand event. In this particular case, this has implications upon the equitable allocation of capacity-related costs to the different usage tiers (low use vs. high peak use).

Finally, certain costs may be directly assigned to specific tiers. For example, a conservation program which focuses on outdoor water use may be directly assigned to the water tiers, or seasons, which are most directly related to outdoor use. The direct assignment to a specific price tier will create a price differential for that tier.

For the District’s study, the focus of the analysis was on the second method of determining the cost impacts and cost differences associated with peak demands. The pricing of the tiers, or uniform rate, was developed to provide the cost-basis and meet the intent of Proposition 218.

5.3 Development of the Unit Costs for Rate Designs

To begin the assignment of costs related to specific tiers, the results of the cost of service analysis is utilized. As noted in Section 4, the cost of service analysis allocates the revenue requirement between the various cost components of average use (commodity), peak demands (capacity), and customer (actual and weighted). However, the results provided in Table 4 - 2 which allocated the totals to the customer classes of service are further allocated between the rate structure components (e.g., service charge, usage charge, tiers). Provided in Table 5 – 2 is a summary of the allocation of the FY 2020 revenue requirement from the cost of service analysis (same as Table 4 - 2).

Total	Com.	Capacity		Customer			Rev. Related	Fire Protection	Direct Assign
		Supply	Dist.	Actual Cust.	Weighted Cust.	Weighted Meters & Svc			
\$16,799	\$1,996	\$1,986	\$7,440	\$0	\$0	\$4,489	\$0	\$887	\$0
100.0%	11.9%	11.8%	44.3%	0.0%	0.0%	26.7%	0.0%	5.3%	0.0%

The total of the above allocated costs, of approximately \$16.8 million, is the same as the total costs allocated in Table 4 - 2 of the cost of service analysis. This allocation of the total revenue requirement for FY 2025 is then distributed to the various customer classes of service. Prior to the recent legal decisions, the analyses would have been complete. However, given the requirement to provide the cost-basis for each rate, both fixed and variable pricing, the allocated costs are further distributed between the various rate structure components based on the corresponding distribution factors. The distribution factors were discussed for the costs of service in Section 4 of this report. For example, the commodity costs are divided through by each customer class’s consumption from a given tier. Provided below is a discussion of the approach used to allocate the revenue requirement between the various customer classes of service as established in Sections 3 and 4 to the various rate components for each customer class of service.

5.3.1 Commodity Distribution Factor

The commodity distribution factor is based on the average annual use for each of the customer classes of service, and more importantly by tier. For the development of the pricing of the proposed rates the following customer class components were used:

- Single-family
 - ✓ Tier 1
 - ✓ Tier 2
- Multi-family

- Commercial

To develop the commodity distribution factor for each customer class, the usage for each class, and tier, was divided by the total water production of the system. This produces the percent of the system that each class is responsible for and, therefore, their contribution to commodity related costs. Provided below in Table 5 – 3 is a summary of the commodity Distribution factor.

Table 5 - 2 Summary of the Commodity Distribution Factor				
Reference Calculation	A	B	C C = A + B	D
	FY 2025 Consumption CCF	Est. System Losses CCF	Total Annual Use (CCF)	% of Total
Single Family				
Tier 1, 0 – 15 CCF	678,626	92,972	771,598	38.0%
Tier 2, Over 15 CCF	223,221	\$30,581	253,802	12.5%
Unmetered	<u>5,112</u>	<u>\$700</u>	<u>5,812</u>	<u>0.3%</u>
Single Family Total	906,959	124,253	1,031,212	50.8%
Multifamily	305,581	41,865	347,446	17.1%
Commercial	<u>574,395</u>	<u>78,692</u>	<u>653,087</u>	<u>32.1%</u>
Total	1,786,935	244,810	2,031,745	100.0%

As can be seen, the development of the commodity distribution factor is straightforward. It is important to note that the distribution factor is based on the actual metered consumption each class and tier, plus overall system losses. In this way, those costs allocated to the commodity component can be proportionally distributed to the appropriate customer class and customer class tier. As an example, Tier 1 consumption of the single family class of service represents 50.8% of the total consumption on the system. As a result, 50.8% of the commodity related costs are then distributed to Tier 1 of the single family customers.

This approach is used for each of the customer classes of service for each rate component. Using the costs allocated to the commodity component in the cost of service analysis from Table 5 - 1, and the commodity distribution factor in Table 5 - 2, the distribution of costs to each tier or customer class can be developed. The summary of the distributed commodity costs are shown below in Table 5 – 3.

**Table 5 - 3
Distribution of Commodity Costs (\$000s)**

Reference Calculation	A	B	C	D D = B / C
	% of Total	Commodity Costs	Water Sales (CCF)	Unit Cost (\$/CCF) ^[1]
Single Family				
Tier 1, 0 – 15 CCF	37.98%	\$758	678,626	\$1.12
Tier 2, Over 15 CCF	12.49%	249	223,221	1.12
Unmetered	<u>0.29%</u>	<u>6</u>	5,112	<u>1.12</u>
Single Family Total	50.76%	\$1,007	901,847	\$1.12
Multifamily	17.10%	\$341	\$305,581	\$1.12
Commercial	32.14%	642	574,395	\$1.12

The figures in column A are from column D in Table 5 – 3. The costs shown in column B are based on the total commodity related costs from column A of Table 5 – 2. Column C is from column A in Table 5 – 3, or the actual consumption that is billed to the customers.

From the unit costs developed in Table 5 – 3 above, the per unit cost basis of the tiered and uniform rates can be determined for the commodity related costs identified in the cost of service analysis (Column D). For example, for the proposed single-family tier 1 rate, the commodity component is \$1.12 per CCF. This applies to each tier and customer class (single-family, multi-family, commercial).

5.3.2 Capacity-Supply Distribution Factor

As was mentioned in the development of the allocation and distribution for the cost of service analysis, the capacity costs were split between capacity-supply and capacity-distribution. The capacity-distribution costs are included in the monthly fixed service charge whereas the capacity-supply costs are included in the costs developed for the consumption charge calculation. The capacity-supply distribution factor utilizes the same customer classes, and tiers, as has been established for the cost of service study. Whereas commodity costs are related to the volume of water used by each class of service by tier or season, the capacity supply costs are related to how the class uses that water in each tier or annually. Customers use water in different ways and at different times, thus creating different usage patterns and resulting in different peaking factors. These usage patterns drive how the District must size the system to meet the peak demands of customers. To determine the distribution by tier or annually, peaking factors need to be developed for each customer class of service tier or season. The peaking factors for each class of service must be estimated due to a lack of specific metered data related to peak day usage by each class of service. One method discussed in the AWWA M1 Manual used to estimate a class’s peaking factor is to review the average month amount of water consumed and compare it to the maximum month amount of water consumed. By dividing the maximum month by the average month, a peak-day factor is calculated. Essentially, this factor provides a seasonal surrogate for the difference between the average use and peak day use in each tier or season. For example, if a customer used 10 CCF

per month on average and in the peak month 15 CCF was used, the peaking factor would be 1.50 (15 / 10 = 1.50). In this example, the peaking factor is stating that the maximum usage in a month is 1.50 time higher than the average usage per month.

For the District’s study the consumption patterns of each customer class and tier were reviewed and peaking factors were developed for each tier. In other words, a peak factor for each customer, by tier was developed to depending on the amount of water used and the peak demands of those customers within that tier compared to the average customer consumption peak. Shown below in Table 5 – 4 is a summary of the capacity-supply distribution factor for each customer class.

Table 5-4 Summary of the Capacity-Supply Distribution Factor				
Reference Calculation	A	B	C C = A * B	D
	Average Consumption (MGD)	Peaking Factors	Peak Day Use (MGD)	% of Total
Single Family				
Tier 1, 0 – 15 CCF	1.79	2.13	3.81	26.5%
Tier 2, Over 15 CCF	1.23	3.37	4.17	29.0%
Unmetered	<u>0.01</u>	<u>2.13</u>	<u>0.03</u>	<u>0.2%</u>
Single Family Total	3.04	2.64	8.00	55.8%
Multifamily	0.93	2.30	2.13	14.8%
Commercial	<u>1.80</u>	<u>2.34</u>	<u>4.21</u>	<u>29.4%</u>
Total	5.76	2.49	14.34	100.0%

Table 5 – 4 above shows the development of the capacity-supply distribution factor. For example, based on the District’s single-family customer consumption data, those customers that stayed within tier 1 have a peak factor of 2.13. In other words, those customers that stay within tier 1 use 2.13 times more water in the peak period than on average. This is compared to customers in the second tier which show a higher peaking factor based on how the customers in these tiers consume water. These peaking factors were developed on the District’s specific customers consumption patterns. Similar to the distribution of commodity costs to the tiers or customer classes, the capacity-supply related costs are distributed in the same manner. For example, 26.5% of the capacity-supply costs are allocated to Tier 1 of the single-family customers based on column D in Table 5 - 4. To determine this, the average day use (column A) of each tier or class is multiplied by the peaking factor (column B). The total peak use by tier or class is divided by the system total peak use to develop the proportional distribution.

Table 5 – 5 provides a summary of the distributed capacity-supply costs to each tier and season.

**Table 5-5
Distributed Capacity-Supply Costs (\$000s)**

Reference Calculation	A	B	C	D D = B/C
	% of Total	Capacity Costs	Water Sales (CCF)	Unit Costs (\$/CCF)
Single Family				
Tier 1, 0 – 15 CCF	26.5%	\$616	678,626	\$0.91
Tier 2, Over 15 CCF	29.0%	426	223,221	1.91
Unmetered	0.2%	5	5,112	0.91
Single Family Total	55.8%	\$1,047	906,959	\$1.15
Multifamily	14.8%	\$319	305,581	\$1.04
Commercial	29.4%	620	574,395	1.08
Total	100.0%	\$1,986	1,786,935	\$1.11

The figures in column A are from column D in Table 5 – 4. The costs shown in column B are based on the total capacity related costs from column B of Table 5 – 3. Column C is from column A in Table 5 – 2. For example, the proposed rate for Tier 1 includes a capacity component cost of \$0.91 per CCF while the Tier 2 capacity cost is \$1.91 per CCF. This difference reflects the costs associated with providing consumption at second tier and the costs of providing that capacity.

5.3.3 Summary of the Consumption Based Unit Costs

Combining the unit costs from the commodity and capacity-supply unit costs result in the basis of the tiered rate pricing. It is important to note that there could be additional costs classified as direct assignment related costs. The direct assignment cost, for example, could be related to conservation and could then be assigned to specific tiers for single family, multifamily and/or commercial customers.

The summary Table 5 – 7 below shows the summation of the costs for each tier / rate. This table sums the costs from Table 5 – 3 column D and Table 5 – 4 column D.

**Table 5-6
Summary of the Unit Costs for Rate Design**

Reference	A	B	C	D	E
	Commodity Costs (\$/CCF)	Capacity Costs (\$/CCF)	Direct Assignment Costs (\$/CCF)	Total Unit (\$/CCF)	Differential (\$/CCF)
Single Family					
Tier 1, 0 – 15 CCF	\$1.12	\$0.91	\$0.00	\$2.03	
Tier 2, Over 15 CCF	1.12	1.91	0.00	3.02	\$1.00
Unmetered	<u>1.12</u>	<u>0.91</u>	<u>1.00</u>	<u>3.03</u>	
Single Family Total	\$1.12	\$1.15	\$0.00	\$2.27	
Multifamily					
	\$1.12	\$1.04	\$0.00	\$2.16	NA
Commercial	<u>1.12</u>	<u>1.08</u>	<u>0.00</u>	<u>2.20</u>	<u>NA</u>
Total	\$1.12	\$1.11	\$0.00	\$2.23	NA

The results shown in Table 5 – 7 above are the basis for the District’s consumption pricing for the proposed rates. The analysis and costs shown above have been developed to meet the intent of Proposition 218 and recent legal decisions related to developing cost-based water rates.

5.3.4 Summary of the Customer (Fixed) Costs

It is also important to note that the customer related costs and the capacity-distribution costs are used to establish the monthly service charge which varies by meter size. As a result, the total customer and capacity-distribution related costs were divided by the number of equivalent meters on the system. An equivalent meter uses the capacity ratio of a 5/8-inch meter to the larger meter sizes to determine the pricing for each meter size. In this way the meter charge reflects the proportion of fixed costs on the system based on the capacity demands the customer can place on the system based on the size of the meter. Shown below in Table 5 – 7 is a summary of the customer related costs and customer charge development.

Table 5-7 Summary of the Customer Charge for Rate Design		
	Current District Ratios	Cost (\$ / Acct. / Mo)
Total Customer Costs		
Total 1" Meter Equiv. ^[1]		17,767
Cost per Equiv. Meter		\$60.12
Proposed Rates		
5/8" & 3/4"	1.00	\$60.12
1"	1.67	100.34
1 1/2"	3.33	200.13
2"	5.33	320.31
3"	10.00	600.99
4"	16.66	1,001.81
6"	33.32	2,002.96
8"	53.31	3,204.89
10"	76.64	4,607.50

[1] – Based on the current District equivalent meter ratios

As indicated in the revenue requirement a rate transition plan was developed to prudently fund the utility's operating and capital infrastructure needs. Provided in Table 5-8 is a summary of the proposed revenue adjustments for the next five-year period.

Table 5-8 Five-Year Rate Transition Plan				
FY 2025	FY 2026	FY 2027	FY 2028	FY 2029
9.5%	9.5%	9.5%	9.5%	9.5%

While the revenue requirement analysis resulted in the proposed revenue transition plan, it does not take into consideration the proportional distribution of costs between the customer classes of service. In developing the final rates, the cost of service results, and specifically the average unit costs, were the basis for the proposed rates in year 1 of the proposed rate setting period.

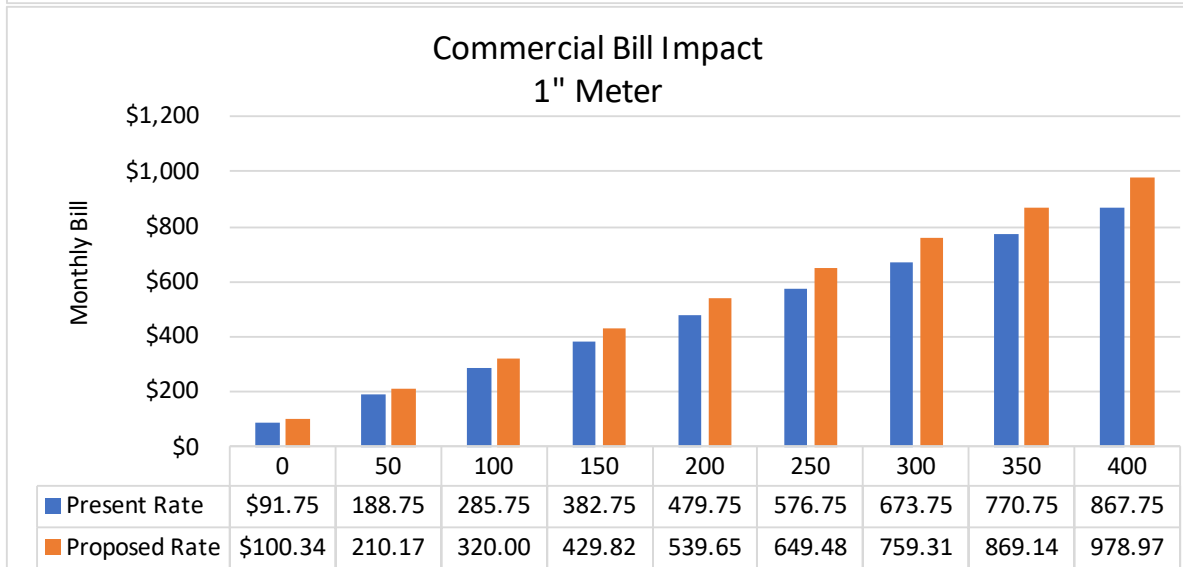
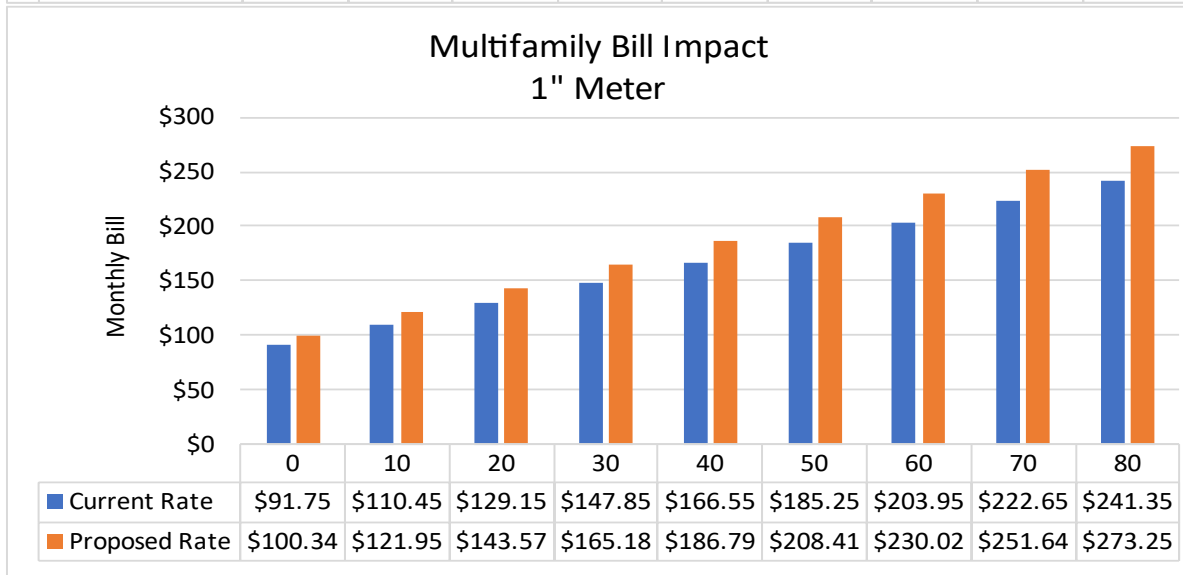
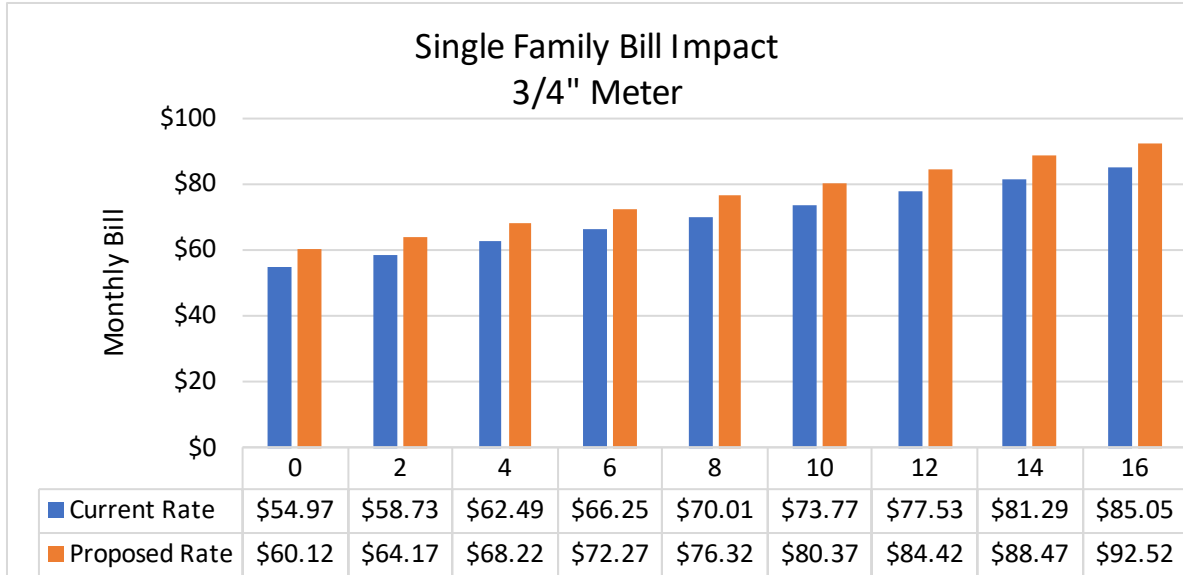
5.4 Present and Proposed Rates

Given the development of the unit costs for rate design purposes, the next step is to develop the proposed rates for the next five-year period. As a note, the proposed rates are being developed for the test year FY 2025 based on the unit costs as discussed in the cost of service section and above discussion in this section of this report based on generally accepted cost of service principles. The proposed rates in subsequent years are based on the annual rate revenue adjustment as noted in the revenue requirement analysis and summarized in Table 5-8.

The proposed rates reflect the results of the revenue requirement and cost of service analysis. Provided below in Table 5 - 9 is a summary of the current and proposed rates for the District's customers. As noted, the proposed rates in are based on the previously discussed unit costs.

Table 5-9 Current and Proposed Rates						
	Current Rates	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029
Monthly Charge by Meter Size						
5/8" & 3/4"	\$54.97	\$60.12	\$65.83	\$72.08	\$78.93	\$86.43
1"	91.75	100.34	109.87	120.31	131.74	144.25
1 1/2"	183.00	200.13	219.14	239.96	262.76	287.72
2"	292.89	320.31	350.74	384.06	420.54	460.49
3"	549.55	600.99	658.09	720.61	789.06	864.02
4"	916.06	1,001.81	1,096.98	1,201.20	1,315.31	1,440.27
6"	1,831.51	2,002.96	2,193.24	2,401.59	2,629.75	2,879.57
8"	2,930.56	3,204.89	3,509.35	3,842.74	4,207.80	4,607.54
10"	4,213.11	4,607.50	5,045.21	5,524.50	6,049.33	6,624.02
Unmetered Customers						
Single Family	\$69.70	\$75.98	\$83.20	\$91.11	\$99.76	\$109.24
Duplex	115.74	126.17	138.15	151.29	165.66	181.39
Triplex	157.24	171.41	187.69	205.54	225.05	246.43
Four-plex	203.43	221.76	242.83	265.92	291.16	318.83
Additional Multifamily Units (>4 Units)	34.09	37.16	40.69	44.56	48.79	53.43
Commercial	100.92	110.01	120.46	131.92	144.44	158.17
Commodity Charges (\$/CCF)						
Single Family						
0 - 15 CCF	\$1.88	\$2.03	\$2.22	\$2.43	\$2.66	\$2.91
15 + CCF	2.87	3.02	3.31	3.63	3.97	4.35
Multi-Family						
All Consumption	\$1.87	\$2.16	\$2.37	\$2.59	\$2.84	\$3.11
Commercial						
All Consumption	\$1.94	\$2.20	\$2.41	\$2.63	\$2.88	\$3.16

It is important to note that the bill impacts will not only vary between customer classes, as the cost of service results show cost differences, but also customers in the same class. This is due to the tier pricing being based on the costs associate with the District's costs and allocated based on a snapshot of consumption characteristics. Shown below are typical customer bill impacts; these are not meant to be prescriptive for projecting a customers' bill impact but rather representative.



5.5 Summary of the Proposed Rate Revenues

The rates for each customer class of service meet the results of the revenue requirement and cost of service results. Provided in Table 5 - 10 is a summary of the revenue targets based on the revenue requirement and cost of service analyses for the FY 2025 proposed rate adjustment.

	Present Revenue	Allocated Revenue	Proposed Revenue
Single Family	\$10,078	\$11,123	\$10,977
Multifamily	2,089	2,262	2,319
Commercial	<u>3,175</u>	<u>3,414</u>	<u>3,515</u>
Total	\$15,342	\$16,799	\$16,811

The proportional distribution of costs to the customer classes of service is based on District budgeted O&M expenses as well as capital projects as identified in the revenue requirement analysis. Additionally, actual consumption data was used from FY 2025 to distribute costs to specific customer classes and tiers, where applicable. Any discrepancy in the summation of the totals are due to rounding. A more detailed analysis of the projection of the proposed revenues is included within the Technical Appendix of this report in Exhibit 15.

This concludes the discussion of the proposed water rates. Detailed exhibits for the various rate designs are included within the water technical appendices.

5.6 Water Rate Study Recommendations

Based on the results of the water rate study, HDR recommends the following:

- Revenue adjustments are necessary to prudently fund operating and capital renovation and replacement expenses.
- Water revenues should be adjusted 9.5% annually in FY 2025 through FY 2029.
- The proposed rates reflect the results of the cost of service analysis and the proportional distribution of costs to the customer classes of service.
- Prior to the end of the financial planning projected period, the District should complete a review of the water revenue levels and costs at that time.

5.7 Summary of the Water Rate Study

This completes the comprehensive water rate study for the South Tahoe Public Utility District. This study has provided a comprehensive review and development of cost-based and proportional water rates for the District. Adoption of the proposed water rates will allow the District to meet its current and projected water system financial obligations for the time period reviewed based on the assumed customer growth, capital plan and deferred capital, and inflationary increases in operating costs. Should these assumptions change, the proposed rate adjustments may also need to be revised to reflect the current conditions.

On May 16, 2024, the District held a public hearing for the Board to consider, and allow customers an opportunity to provide input on, the proposed rate increases. The District did not receive a majority protest for the proposed rate increases which would prevent the adoption of the proposed rates as outlined in Proposition 218. Given this, the rates, as developed in this report, were adopted by the District's Board.



Technical Appendix

South Tahoe PUD
Water Utility
Revenue Requirement Summary

	Projected									
	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2032	FY 2033
Revenue										
Rate Revenue at Current Rate	\$15,344	\$15,342	\$15,356	\$15,371	\$15,386	\$15,402	\$15,414	\$15,436	\$15,459	\$15,482
Miscellaneous Revenue	7,186	8,330	7,021	6,288	6,852	7,413	7,705	7,897	8,176	8,387
Total Revenue	\$22,530	\$23,672	\$22,377	\$21,659	\$22,238	\$22,815	\$23,120	\$23,333	\$23,635	\$23,868
Expenditures										
Electric	\$433	\$460	\$472	\$485	\$499	\$512	\$526	\$541	\$556	\$571
Heavy Maintenance	19	20	20	20	21	21	22	22	23	23
Field Operations	267	2,079	1,585	292	300	307	314	322	330	338
Underground Repair	3,114	3,267	3,349	3,433	3,519	3,607	3,698	3,791	3,887	3,985
Pumps	1,142	1,214	1,247	1,282	1,317	1,353	1,390	1,428	1,468	1,508
Equipment Repair	337	357	367	377	387	397	408	419	430	442
Laboratory	541	574	590	606	622	639	656	674	692	711
Administration	574	612	629	647	665	683	703	722	743	764
Board of Directors	167	175	179	184	188	193	198	203	208	213
Human Resources	318	335	344	352	362	371	380	390	400	411
Finance	441	468	481	494	508	521	535	550	565	580
Accounting	408	433	444	456	469	481	495	508	522	536
Public Affairs Conservation	599	623	638	653	669	684	701	717	734	752
Purchasing	223	236	242	249	256	262	270	277	284	292
Information Technology	888	930	953	977	1,001	1,026	1,051	1,078	1,104	1,132
Customer Service	575	606	622	638	655	672	689	707	726	745
Inspections	656	694	713	732	751	771	791	812	834	856
Non Crew	1,822	1,858	1,895	1,933	1,972	2,011	2,052	2,093	2,135	2,177
Total Expenditures	\$12,523	\$14,942	\$14,772	\$13,810	\$14,157	\$14,514	\$14,880	\$15,255	\$15,640	\$16,035
Rate Funded Capital	\$8,982	\$9,774	\$8,483	\$12,830	\$14,410	\$15,236	\$15,570	\$17,117	\$17,464	\$18,908
Debt Service	\$1,376	\$1,930	\$2,138	\$2,260	\$3,155	\$4,076	\$4,427	\$3,951	\$3,951	\$3,951
Transfers	(\$350)	(\$1,517)	(\$1,551)	(\$1,577)	(\$2,043)	(\$2,457)	(\$2,660)	(\$2,249)	(\$2,306)	(\$2,366)
Total Revenue Requirement	\$22,530	\$25,129	\$23,841	\$27,323	\$29,678	\$31,369	\$32,216	\$34,074	\$34,749	\$36,528
Balance/Deficiency of Funds	\$0	(\$1,457)	(\$1,464)	(\$5,664)	(\$7,440)	(\$8,555)	(\$9,096)	(\$10,741)	(\$11,114)	(\$12,660)
Rate Adj. as a % of Rate Rev	0.0%	9.5%	9.5%	36.8%	48.4%	55.5%	59.0%	69.6%	71.9%	81.8%
Proposed Rate Adjustment	0.0%	9.5%	9.5%	9.5%	9.5%	9.5%	9.5%	9.5%	9.5%	9.5%
Rate Revenue After Adjustment	\$15,344	\$16,799	\$18,412	\$20,181	\$22,120	\$24,246	\$26,571	\$29,137	\$31,952	\$35,038
Debt Service Coverage Ratio										
Before Rate Adjustment	7.27	4.52	3.56	3.47	2.56	2.04	1.86	2.04	2.02	1.98
After Rate Adjustment	7.27	5.28	4.99	5.60	4.70	4.21	4.38	5.51	6.20	6.93
Average Residential Bill per Mo	\$66.25	\$72.54	\$79.44	\$86.98	\$95.25	\$104.29	\$114.20	\$125.05	\$136.93	\$149.94
\$ Change Per Month		6.29	6.89	7.55	8.26	9.05	9.91	10.85	11.88	13.01
Cumulative \$ Change per Month		6.29	13.19	20.73	29.00	38.04	47.95	58.80	70.68	83.69
Days of O&M	89	98	138	125	104	109	157	224	344	492

South Tahoe PUD
 Water Utility
 Revenue Requirement
 Exhibit 1 - Escalation Factors

	<i>Budget</i>	<i>Projected</i>									<i>Notes</i>
	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2032	FY 2033	
Revenues											
Residential	0.2%	0.2%	0.2%	0.2%	0.2%	0.2%	0.2%	0.2%	0.2%	0.2%	0.2%
Multi-Family	0.2%	0.2%	0.2%	0.2%	0.2%	0.2%	0.2%	0.2%	0.2%	0.2%	0.2%
Commercial	0.2%	0.2%	0.2%	0.2%	0.2%	0.2%	0.2%	0.2%	0.2%	0.2%	0.2%
Consumption	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Property tax	2.9%	2.9%	2.9%	2.9%	2.9%	2.9%	2.9%	2.9%	2.9%	2.9%	0.0%
Misc. Revenue	0.0%	0.5%	0.5%	0.5%	0.5%	0.5%	0.5%	0.5%	0.5%	0.5%	0.5%
Flat - Rev	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Expenses											
Labor	Budget	8.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%
Retirement	Budget	8.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%
Medical Benefits	Budget	8.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%
Dental & Vision Benefits	Budget	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%
Repairs & Maintenance	Budget	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%
Worker's Compensation	Budget	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%
OPEB	Budget	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%
Materials & Supplies	Budget	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%
Equipment	Budget	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%
Miscellaneous	Budget	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%
Utilities	Budget	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%
Professional Services	Budget	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%
Insurance	Budget	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%
Purchased Water	Budget	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%
Engineering @ 3%	Budget	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%
Engineering Labor	Budget	8.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%
Engineering Benefits	Budget	7.9%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%
Engineering O&M	Budget	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%
One-time	Budget	-100.0%	-100.0%	-100.0%	-100.0%	-100.0%	-100.0%	-100.0%	-100.0%	-100.0%	-100.0%
Flat - Exp	Budget	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Esca3	Budget	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Investment Interest		1.5%	1.5%	1.5%	1.5%	1.5%	1.5%	1.5%	1.5%	1.5%	1.5%
New Long-Term Debt Assumptions											
<i>Revenue Bond</i>											
Rate		5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%
Term		20	20	20	20	20	20	20	20	20	20
<i>Low Interest Loan</i>											
Rate		2.5%	2.5%	2.5%	2.5%	2.5%	2.5%	2.5%	2.5%	2.5%	2.5%
Term		20	20	20	20	20	20	20	20	20	20

South Tahoe PUD
Water Utility
Revenue Requirement
Exhibit 2 - Revenues & Expenses

	Budget	Projected									Notes
	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2032	FY 2033	
Revenues											
Rate Revenues											
Residential	\$10,058,503	\$10,077,635	\$10,097,660	\$10,118,026	\$10,138,417	\$10,158,927	\$10,175,144	\$10,196,379	\$10,218,451	\$10,240,522	Calc'd in Cust Data Tab
Multifamily	2,104,740	2,088,994	2,085,401	2,081,809	2,078,217	2,074,624	2,071,032	2,071,691	2,072,351	2,073,011	Calc'd in Cust Data Tab
Commercial	3,180,933	3,174,894	3,173,066	3,171,237	3,169,408	3,168,131	3,168,131	3,168,131	3,168,131	3,168,131	Calc'd in Cust Data Tab
Total Rate Revenues	\$15,344,175	\$15,341,523	\$15,356,127	\$15,371,072	\$15,386,042	\$15,401,682	\$15,414,307	\$15,436,201	\$15,458,933	\$15,481,664	As Consumption
Other Revenues											
Repairs	5,000	5,025	5,050	5,075	5,101	5,126	5,152	5,178	5,204	5,230	As Misc. Revenue
Sale/Resale Service Charge Revenue	0	0	0	0	0	0	0	0	0	0	As Misc. Revenue
Interfund Service Charge Revenue	0	0	0	0	0	0	0	0	0	0	As Misc. Revenue
Service Call - Water Exemption Fees	3,000	3,015	3,030	3,045	3,060	3,076	3,091	3,107	3,122	3,138	As Misc. Revenue
Physical Connection Fee	303,000	304,515	306,038	307,568	309,106	310,651	312,204	313,765	315,334	316,911	As Misc. Revenue
Secured Taxes	3,505,213	3,977,600	4,477,091	5,003,917	5,560,154	6,009,143	6,200,000	6,397,000	6,600,000	6,809,000	As Misc. Revenue
Sale of Surplus Assets	0	0	0	0	0	0	0	0	0	0	As Misc. Revenue
Realized Gain - Loss on Investment	0	0	0	0	0	0	0	0	0	0	As Misc. Revenue
Fair Market Value Unrealized Gain/Loss	0	0	0	0	0	0	0	0	0	0	As Misc. Revenue
Rents and Leases	219,000	220,095	221,195	222,301	223,413	224,530	225,653	226,781	227,915	229,054	As Misc. Revenue
Federal Aid	2,579,348	3,186,000	1,300,000	0	0	0	0	0	0	0	As Misc. Revenue
State Aid	0	0	0	0	0	0	0	0	0	0	As Misc. Revenue
Interest /Penalty Charges	117,000	99,000	129,000	132,000	146,000	189,000	240,000	227,000	240,000	205,000	As Misc. Revenue
Fire Hydrant Permits	20,000	20,100	20,201	20,302	20,403	20,505	20,608	20,711	20,814	20,918	As Misc. Revenue
Admin Fee - New Service	0	0	0	0	0	0	0	0	0	0	As Misc. Revenue
Water Admin/Permit Fee	13,000	13,065	13,130	13,196	13,262	13,328	13,395	13,462	13,529	13,597	As Misc. Revenue
Contractor Plans & Specs Fee	0	0	0	0	0	0	0	0	0	0	As Misc. Revenue
Other Miscellaneous Income	47,000	47,235	47,471	47,709	47,947	48,187	48,428	48,670	48,913	49,158	As Misc. Revenue
Lab Monitoring Revenue	40,000	40,200	40,401	40,603	40,806	41,010	41,215	41,421	41,628	41,836	As Misc. Revenue
Water & Fire Meter Sales	0	0	0	0	0	0	0	0	0	0	As Misc. Revenue
Local Aid	320,000	321,600	323,208	324,824	326,448	328,080	329,721	331,369	333,026	334,691	As Misc. Revenue
Low Income	(66,014)	(66,014)	(66,014)	(66,014)	(66,014)	(66,014)	(66,014)	(66,014)	(66,014)	(66,014)	
Investment Interest	80,000	158,723	201,233	232,996	222,382	286,228	331,966	334,457	392,245	424,253	Based on Investment Rate
Total Other Revenues	\$7,185,547	\$8,330,159	\$7,021,035	\$6,287,522	\$6,852,068	\$7,412,850	\$7,705,419	\$7,896,906	\$8,175,717	\$8,386,772	
Total Revenues	\$22,529,722	\$23,671,682	\$22,377,162	\$21,658,594	\$22,238,110	\$22,814,533	\$23,119,725	\$23,333,108	\$23,634,650	\$23,868,436	

South Tahoe PUD
Water Utility
Revenue Requirement
Exhibit 2 - Revenues & Expenses

	Budget	Projected									Notes
	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2032	FY 2033	
Expenses											
Electric											
14-4101 Regular Salaries - Wages	\$232,655	\$251,267	\$258,805	\$266,570	\$274,567	\$282,804	\$291,288	\$300,026	\$309,027	\$318,298	As Labor
14-4102 Wages Overtime	7,000	7,560	7,787	8,020	8,261	8,509	8,764	9,027	9,298	9,577	As Labor
14-4103 Wages Double Time	550	594	612	630	649	669	689	709	731	752	As Labor
14-4301 FICA Taxes	18,376	19,846	20,441	21,055	21,686	22,337	23,007	23,697	24,408	25,140	As Labor
14-4302 Dental Self Insured	3,412	3,514	3,620	3,728	3,840	3,955	4,074	4,196	4,322	4,452	As Dental & Vision Benefits
14-4304 Vision	568	585	603	621	639	658	678	699	720	741	As Dental & Vision Benefits
14-4305 Retirement Health Savings Account	2,862	3,091	3,184	3,279	3,378	3,479	3,583	3,691	3,801	3,916	As Medical Benefits
14-4306 Workers Compensation	8,683	8,857	9,034	9,214	9,399	9,587	9,778	9,974	10,174	10,377	As Worker's Compensation
14-4308 Uniforms	1,100	1,122	1,144	1,167	1,191	1,214	1,239	1,264	1,289	1,315	As Materials & Supplies
14-4309 Health Savings Account - ER Portion	3,600	3,888	4,005	4,125	4,249	4,376	4,507	4,642	4,782	4,925	As Medical Benefits
14-4310 ACWA Medical Insurance	44,607	48,176	49,621	51,109	52,643	54,222	55,849	57,524	59,250	61,027	As Medical Benefits
14-4311 Life Insurance	402	410	418	427	435	444	453	462	471	480	As Insurance
14-4313 AFLAC Administrative fee - ER Portion	0	0	0	0	0	0	0	0	0	0	As Medical Benefits
14-4314 Long Term Disability - Union	442	451	460	469	478	488	498	508	518	528	As Insurance
14-4315 CalPERS Classic ER Contribution	35,369	36,076	36,798	37,534	38,285	39,050	39,831	40,628	41,440	42,269	As OPEB
14-4325 CalPERS PEPR ER Contribution	7,991	8,151	8,314	8,480	8,650	8,823	8,999	9,179	9,363	9,550	As OPEB
14-4330 Health Savings Account Admin Fee - ER Portion	53	57	59	61	63	64	66	68	70	73	As Medical Benefits
14-4405 Contractual Services	100	102	104	106	108	110	113	115	117	120	As Professional Services
14-4610 Gasoline Expense	2,500	2,550	2,601	2,653	2,706	2,760	2,815	2,872	2,929	2,988	As Materials & Supplies
14-4820 Office Supplies	575	587	598	610	622	635	648	660	674	687	As Materials & Supplies
14-6041 Buildings	5,800	5,916	6,034	6,155	6,278	6,404	6,532	6,662	6,796	6,932	As Repairs & Maintenance
14-6050 Wells	15,000	15,300	15,606	15,918	16,236	16,561	16,892	17,230	17,575	17,926	As Repairs & Maintenance
14-6051 Pump Stations	14,000	14,280	14,566	14,857	15,154	15,457	15,766	16,082	16,403	16,731	As Repairs & Maintenance
14-6054 Repair - Maintenance Water Tanks	10,000	10,200	10,404	10,612	10,824	11,041	11,262	11,487	11,717	11,951	As Equipment
14-6056 Radio Repairs - Replacement	500	510	520	531	541	552	563	574	586	598	As Equipment
14-6066 SCADA	7,500	7,650	7,803	7,959	8,118	8,281	8,446	8,615	8,787	8,963	As Repairs & Maintenance
14-6071 Shop Supplies	2,625	2,678	2,731	2,786	2,841	2,898	2,956	3,015	3,076	3,137	As Materials & Supplies
14-6073 Small Tools	1,500	1,530	1,561	1,592	1,624	1,656	1,689	1,723	1,757	1,793	As Equipment
14-6075 Safety Equipment - Physicals	2,000	2,040	2,081	2,122	2,165	2,208	2,252	2,297	2,343	2,390	As Equipment
14-6200 Travel - Meetings - Education	1,202	1,226	1,251	1,276	1,301	1,327	1,354	1,381	1,408	1,437	As Miscellaneous
14-6250 Dues - Memberships - Certification	900	918	936	955	974	994	1,014	1,034	1,054	1,076	As Miscellaneous
14-6310 Telephone	500	510	520	531	541	552	563	574	586	598	As Utilities
14-6520 Supplies	200	204	208	212	216	221	225	230	234	239	As Materials & Supplies
Total Electric	\$432,572	\$459,845	\$472,428	\$485,364	\$498,663	\$512,336	\$526,394	\$540,847	\$555,706	\$570,985	

South Tahoe PUD
Water Utility
Revenue Requirement
Exhibit 2 - Revenues & Expenses

	Budget	Projected									Notes
	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2032	FY 2033	
Heavy Maintenance											
16-6030 Service Contracts	\$4,350	\$4,437	\$4,526	\$4,616	\$4,709	\$4,803	\$4,899	\$4,997	\$5,097	\$5,199	As Professional Services
16-6041 Buildings	13,950	14,229	14,514	14,804	15,100	15,402	15,710	16,024	16,345	16,672	As Materials & Supplies
16-6042 Grounds & Maintenance	1,000	1,020	1,040	1,061	1,082	1,104	1,126	1,149	1,172	1,195	As Materials & Supplies
Total Heavy Maintenance	\$19,300	\$19,686	\$20,080	\$20,481	\$20,891	\$21,309	\$21,735	\$22,170	\$22,613	\$23,065	
Field Operations											
20-4101 Regular Salaries - Wages	\$95,197	\$102,813	\$105,897	\$109,074	\$112,346	\$115,717	\$119,188	\$122,764	\$126,447	\$130,240	As Labor
20-4301 FICA Taxes	6,347	6,855	7,060	7,272	7,490	7,715	7,947	8,185	8,430	8,683	As Labor
20-4302 Dental Self Insured	853	879	905	932	960	989	1,019	1,049	1,081	1,113	As Dental & Vision Benefits
20-4304 Vision	142	146	151	155	160	165	170	175	180	185	As Dental & Vision Benefits
20-4305 Retirement Health Savings Account	1,486	1,605	1,653	1,703	1,754	1,806	1,860	1,916	1,974	2,033	As Medical Benefits
20-4306 Workers Compensation	742	757	772	787	803	819	836	852	869	887	As Worker's Compensation
20-4310 ACWA Medical Insurance	9,660	10,433	10,746	11,068	11,400	11,742	12,094	12,457	12,831	13,216	As Medical Benefits
20-4311 Life Insurance	240	245	250	255	260	265	270	276	281	287	As Insurance
20-4312 Long Term Disability - Management	564	575	587	599	610	623	635	648	661	674	As Insurance
20-4315 CalPERS Classic ER Contribution	26,450	26,979	27,519	28,069	28,630	29,203	29,787	30,383	30,990	31,610	As OPEB
20-4405 Contractual Services	0	0	0	0	0	0	0	0	0	0	As Professional Services
20-4480 Legal - Regular	250	255	260	265	271	276	282	287	293	299	As Professional Services
20-4610 Gasoline Expense	500	510	520	531	541	552	563	574	586	598	As Materials & Supplies
20-4820 Office Supplies	500	510	520	531	541	552	563	574	586	598	As Materials & Supplies
20-6075 Safety Equipment - Physicals	100	102	104	106	108	110	113	115	117	120	As Equipment
20-6200 Travel - Meetings - Education	50	51	52	53	54	55	56	57	59	60	As Miscellaneous
20-6250 Dues - Memberships - Certification	250	255	260	265	271	276	282	287	293	299	As Miscellaneous
20-6520 Supplies	100	102	104	106	108	110	113	115	117	120	As Materials & Supplies
20-6650 Regulatory Operating Permits	123,150	125,613	128,125	130,688	133,302	135,968	138,687	141,461	144,290	147,176	As Miscellaneous
80-Fuel1 USFS Fuels Reduction Funding	0	500,500	0	0	0	0	0	0	0	0	As Miscellaneous
80-Fuel2 Community Fuels Reduction Funding	0	1,300,000	1,300,000	0	0	0	0	0	0	0	As Miscellaneous
Total Field Operations	\$266,581	\$2,079,184	\$1,585,485	\$292,459	\$299,610	\$306,943	\$314,463	\$322,176	\$330,085	\$338,196	

South Tahoe PUD
Water Utility
Revenue Requirement
Exhibit 2 - Revenues & Expenses

	Budget	Projected									Notes
	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2032	FY 2033	
Underground Repair											
24-4101 Regular Salaries - Wages	\$969,990	\$1,047,589	\$1,079,017	\$1,111,387	\$1,144,729	\$1,179,071	\$1,214,443	\$1,250,876	\$1,288,403	\$1,327,055	As Labor
24-4102 Wages Overtime	100,000	108,000	111,240	114,577	118,015	121,555	125,202	128,958	132,826	136,811	As Labor
24-4103 Wages Double Time	10,000	10,800	11,124	11,458	11,801	12,155	12,520	12,896	13,283	13,681	As Labor
24-4201 Wages - Part Time	80,000	86,400	88,992	91,662	94,412	97,244	100,161	103,166	106,261	109,449	As Labor
24-4202 Wages - Part Time Overtime	1,000	1,080	1,112	1,146	1,180	1,216	1,252	1,290	1,328	1,368	As Labor
24-4301 FICA Taxes	88,816	95,921	98,799	101,763	104,816	107,960	111,199	114,535	117,971	121,510	As Labor
24-4302 Dental Self Insured	18,765	19,328	19,908	20,505	21,120	21,754	22,406	23,079	23,771	24,484	As Dental & Vision Benefits
24-4304 Vision	3,123	3,217	3,313	3,413	3,515	3,620	3,729	3,841	3,956	4,075	As Dental & Vision Benefits
24-4305 Retirement Health Savings Account	15,742	17,001	17,511	18,037	18,578	19,135	19,709	20,301	20,910	21,537	As Medical Benefits
24-4306 Workers Compensation	46,004	46,924	47,863	48,820	49,796	50,792	51,808	52,844	53,901	54,979	As Worker's Compensation
24-4308 Uniforms	4,000	4,080	4,162	4,245	4,330	4,416	4,505	4,595	4,687	4,780	As Materials & Supplies
24-4309 Health Savings Account - ER Portion	4,800	5,184	5,340	5,500	5,665	5,835	6,010	6,190	6,376	6,567	As Medical Benefits
24-4310 ACWA Medical Insurance	239,026	258,148	265,893	273,869	282,085	290,548	299,264	308,242	317,490	327,014	As Medical Benefits
24-4311 Life Insurance	2,186	2,230	2,274	2,320	2,366	2,414	2,462	2,511	2,561	2,612	As Insurance
24-4313 AFLAC Administrative fee - ER Portion	0	0	0	0	0	0	0	0	0	0	As Medical Benefits
24-4314 Long Term Disability - Union	2,412	2,460	2,509	2,560	2,611	2,663	2,716	2,771	2,826	2,883	As Insurance
24-4315 CalPERS Classic ER Contribution	105,688	107,802	109,958	112,157	114,400	116,688	119,022	121,402	123,830	126,307	As OPEB
24-4325 CalPERS PEPPRA ER Contribution	42,845	43,702	44,576	45,467	46,377	47,304	48,250	49,215	50,200	51,204	As OPEB
24-4330 Health Savings Account Admin Fee - ER Portion	71	77	79	81	84	86	89	92	94	97	As Medical Benefits
24-4405 Contractual Services	0	0	0	0	0	0	0	0	0	0	As Professional Services
24-4520 Miscellaneous Liability Claims	4,000	4,080	4,162	4,245	4,330	4,416	4,505	4,595	4,687	4,780	As Miscellaneous
24-4610 Gasoline Expense	16,000	16,320	16,646	16,979	17,319	17,665	18,019	18,379	18,747	19,121	As Miscellaneous
24-4620 Diesel	25,000	25,500	26,010	26,530	27,061	27,602	28,154	28,717	29,291	29,877	As Materials & Supplies
24-4820 Office Supplies	1,000	1,020	1,040	1,061	1,082	1,104	1,126	1,149	1,172	1,195	As Materials & Supplies
24-5020 Equipment Rental- Lease	500	510	520	531	541	552	563	574	586	598	As Equipment
24-6012 Mobile Equipment	500	510	520	531	541	552	563	574	586	598	As Equipment
24-6027 Office Equipment Repair	200	204	208	212	216	221	225	230	234	239	As Equipment
24-6030 Service Contracts	100	102	104	106	108	110	113	115	117	120	As Professional Services
24-6043 Caltrans - City - County - Improvements	37,000	37,740	38,495	39,265	40,050	40,851	41,668	42,501	43,351	44,218	As Repairs & Maintenance
24-6052 Pipe - Covers & Manholes	1,214,000	1,238,280	1,263,046	1,288,307	1,314,073	1,340,354	1,367,161	1,394,504	1,422,394	1,450,842	As Repairs & Maintenance
24-6056 Radio Repairs - Replacement	1,000	1,020	1,040	1,061	1,082	1,104	1,126	1,149	1,172	1,195	As Repairs & Maintenance
24-6071 Shop Supplies	9,500	9,690	9,884	10,081	10,283	10,489	10,699	10,913	11,131	11,353	As Materials & Supplies
24-6073 Small Tools	12,000	12,240	12,485	12,734	12,989	13,249	13,514	13,784	14,060	14,341	As Equipment
24-6075 Safety Equipment - Physicals	8,000	8,160	8,323	8,490	8,659	8,833	9,009	9,189	9,373	9,561	As Equipment
24-6083 Standby Accommodations	5,000	5,100	5,202	5,306	5,412	5,520	5,631	5,743	5,858	5,975	As Miscellaneous
24-6200 Travel - Meetings - Education	9,475	9,665	9,858	10,055	10,256	10,461	10,670	10,884	11,101	11,324	As Miscellaneous
24-6250 Dues - Memberships - Certification	2,000	2,040	2,081	2,122	2,165	2,208	2,252	2,297	2,343	2,390	As Miscellaneous
24-6310 Telephone	3,500	3,570	3,641	3,714	3,789	3,864	3,942	4,020	4,101	4,183	As Utilities
24-6360 Propane	300	306	312	318	325	331	338	345	351	359	As Materials & Supplies
24-6520 Supplies	350	357	364	371	379	386	394	402	410	418	As Materials & Supplies
24-6648 Construction & Excavation Permit	30,000	30,600	31,212	31,836	32,473	33,122	33,785	34,461	35,150	35,853	As Miscellaneous
Total Underground Repair	\$3,113,893	\$3,266,956	\$3,348,823	\$3,432,823	\$3,519,013	\$3,607,453	\$3,698,204	\$3,791,328	\$3,886,889	\$3,984,954	

South Tahoe PUD
Water Utility
Revenue Requirement
Exhibit 2 - Revenues & Expenses

	Budget	Projected									Notes
	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2032	FY 2033	
Pumps											
26-4101 Regular Salaries - Wages	\$567,872	\$613,302	\$631,701	\$650,652	\$670,171	\$690,277	\$710,985	\$732,314	\$754,284	\$776,912	As Labor
26-4102 Wages Overtime	32,500	35,100	36,153	37,238	38,355	39,505	40,691	41,911	43,169	44,464	As Labor
26-4103 Wages Double Time	5,500	5,940	6,118	6,302	6,491	6,686	6,886	7,093	7,305	7,525	As Labor
26-4201 Wages - Part Time	19,500	21,060	21,692	22,343	23,013	23,703	24,414	25,147	25,901	26,678	As Labor
26-4202 Wages - Part Time Overtime	1,000	1,080	1,112	1,146	1,180	1,216	1,252	1,290	1,328	1,368	As Labor
26-4301 FICA Taxes	47,917	51,750	53,303	54,902	56,549	58,245	59,993	61,793	63,646	65,556	As Labor
26-4302 Dental Self Insured	10,236	10,543	10,859	11,185	11,521	11,866	12,222	12,589	12,967	13,356	As Dental & Vision Benefits
26-4303 Unemployment Insurance	0	0	0	0	0	0	0	0	0	0	As Worker's Compensation
26-4304 Vision	1,704	1,755	1,808	1,862	1,918	1,975	2,035	2,096	2,159	2,223	As Dental & Vision Benefits
26-4305 Retirement Health Savings Account	8,587	9,274	9,552	9,839	10,134	10,438	10,751	11,074	11,406	11,748	As Medical Benefits
26-4306 Workers Compensation	19,863	20,260	20,665	21,079	21,500	21,930	22,369	22,816	23,273	23,738	As Worker's Compensation
26-4308 Uniforms	3,350	3,417	3,485	3,555	3,626	3,699	3,773	3,848	3,925	4,004	As Equipment
26-4309 Health Savings Account - ER Portion	6,300	6,804	7,008	7,218	7,435	7,658	7,888	8,124	8,368	8,619	As Medical Benefits
26-4310 ACWA Medical Insurance	130,751	141,211	145,447	149,811	154,305	158,934	163,702	168,613	173,672	178,882	As Medical Benefits
26-4311 Life Insurance	1,199	1,223	1,247	1,272	1,298	1,324	1,350	1,377	1,405	1,433	As Insurance
26-4313 AFLAC Administrative fee - ER Portion	0	0	0	0	0	0	0	0	0	0	As Medical Benefits
26-4314 Long Term Disability - Union	1,313	1,339	1,366	1,393	1,421	1,450	1,479	1,508	1,538	1,569	As Insurance
26-4315 CalPERS Classic ER Contribution	58,861	60,038	61,239	62,464	63,713	64,987	66,287	67,613	68,965	70,344	As OPEB
26-4325 CalPERS PEPRA ER Contribution	26,511	27,041	27,582	28,134	28,696	29,270	29,856	30,453	31,062	31,683	As OPEB
26-4330 Health Savings Account Admin Fee - ER Portion	106	114	118	121	125	129	133	137	141	145	As Medical Benefits
26-4405 Contractual Services	0	0	0	0	0	0	0	0	0	0	As Professional Services
26-4610 Gasoline Expense	9,500	9,690	9,884	10,081	10,283	10,489	10,699	10,913	11,131	11,353	As Materials & Supplies
26-4620 Diesel	4,500	4,590	4,682	4,775	4,871	4,968	5,068	5,169	5,272	5,378	As Materials & Supplies
26-4630 Oil & Lubricants	550	561	572	584	595	607	619	632	644	657	As Materials & Supplies
26-4755 Hypochlorite	50,000	51,000	52,020	53,060	54,122	55,204	56,308	57,434	58,583	59,755	As Materials & Supplies
26-4820 Office Supplies	700	714	728	743	758	773	788	804	820	837	As Materials & Supplies
26-6012 Mobile Equipment	150	153	156	159	162	166	169	172	176	179	As Equipment
26-6041 Buildings	3,600	3,672	3,745	3,820	3,897	3,975	4,054	4,135	4,218	4,302	As Repairs & Maintenance
26-6042 Grounds & Maintenance	25,000	25,500	26,010	26,530	27,061	27,602	28,154	28,717	29,291	29,877	As Repairs & Maintenance
26-6050 Wells	15,000	15,300	15,606	15,918	16,236	16,561	16,892	17,230	17,575	17,926	As Repairs & Maintenance
26-6051 Pump Stations	17,000	17,340	17,687	18,041	18,401	18,769	19,145	19,528	19,918	20,317	As Repairs & Maintenance
26-6054 Repair - Maintenance Water Tanks	15,000	15,300	15,606	15,918	16,236	16,561	16,892	17,230	17,575	17,926	As Repairs & Maintenance
26-6056 Radio Repairs - Replacement	275	281	286	292	298	304	310	316	322	329	As Equipment
26-6060 Pressure Reducing Valves	10,000	10,200	10,404	10,612	10,824	11,041	11,262	11,487	11,717	11,951	As Equipment
26-6071 Shop Supplies	9,000	9,180	9,364	9,551	9,742	9,937	10,135	10,338	10,545	10,756	As Equipment
26-6073 Small Tools	4,050	4,131	4,214	4,298	4,384	4,472	4,561	4,652	4,745	4,840	As Equipment
26-6075 Safety Equipment - Physicals	5,000	5,100	5,202	5,306	5,412	5,520	5,631	5,743	5,858	5,975	As Equipment
26-6083 Standby Accommodations	15,000	15,300	15,606	15,918	16,236	16,561	16,892	17,230	17,575	17,926	As Equipment
26-6200 Travel - Meetings - Education	9,450	9,639	9,832	10,028	10,229	10,434	10,642	10,855	11,072	11,294	As Miscellaneous
26-6250 Dues - Memberships - Certification	2,000	2,040	2,081	2,122	2,165	2,208	2,252	2,297	2,343	2,390	As Miscellaneous
26-6310 Telephone	2,100	2,142	2,185	2,229	2,273	2,319	2,365	2,412	2,460	2,510	As Utilities
26-6360 Propane	800	816	832	849	866	883	901	919	937	956	As Materials & Supplies
26-6520 Supplies	325	332	338	345	352	359	366	373	381	388	As Materials & Supplies
Total Pumps	\$1,142,070	\$1,214,233	\$1,247,497	\$1,281,695	\$1,316,856	\$1,353,005	\$1,390,171	\$1,428,384	\$1,467,673	\$1,508,070	

South Tahoe PUD
Water Utility
Revenue Requirement
Exhibit 2 - Revenues & Expenses

	Budget	Projected									Notes
	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2032	FY 2033	
Equipment Repair											
28-4101 Regular Salaries - Wages	\$155,561	\$168,006	\$173,046	\$178,237	\$183,585	\$189,092	\$194,765	\$200,608	\$206,626	\$212,825	As Labor
28-4102 Wages Overtime	10,000	10,800	11,124	11,458	11,801	12,155	12,520	12,896	13,283	13,681	As Labor
28-4103 Wages Double Time	150	162	167	172	177	182	188	193	199	205	As Labor
28-4201 Wages Part Time	9,000	9,720	10,012	10,312	10,621	10,940	11,268	11,606	11,954	12,313	As Labor
28-4301 FICA Taxes	13,365	14,434	14,867	15,313	15,773	16,246	16,733	17,235	17,752	18,285	As Labor
28-4302 Dental Self Insured	2,559	2,636	2,715	2,796	2,880	2,967	3,056	3,147	3,242	3,339	As Dental & Vision Benefits
28-4304 Vision	426	439	452	466	479	494	509	524	540	556	As Dental & Vision Benefits
28-4305 Retirement Health Savings Account	2,147	2,319	2,388	2,460	2,534	2,610	2,688	2,769	2,852	2,937	As Medical Benefits
28-4306 Workers Compensation	5,534	5,645	5,758	5,873	5,990	6,110	6,232	6,357	6,484	6,614	As Worker's Compensation
28-4308 Uniforms	650	663	676	690	704	718	732	747	762	777	As Materials & Supplies
28-4309 Health Savings Account - ER Portion	1,300	1,404	1,446	1,490	1,534	1,580	1,628	1,676	1,727	1,779	As Medical Benefits
28-4310 ACWA Medical Insurance	30,943	33,418	34,421	35,454	36,517	37,613	38,741	39,903	41,100	42,333	As Medical Benefits
28-4311 Life Insurance	295	301	307	313	319	326	332	339	346	353	As Insurance
28-4313 AFLAC Administrative fee - ER Portion	0	0	0	0	0	0	0	0	0	0	As Medical Benefits
28-4314 Long Term Disability - Union	331	338	344	351	358	365	373	380	388	396	As Insurance
28-4315 CalPERS Classic ER Contribution	32,044	32,685	33,339	34,005	34,685	35,379	36,087	36,808	37,545	38,296	As OPEB
28-4325 CalPERS PEPRA ER Contribution	3,353	3,420	3,488	3,558	3,629	3,702	3,776	3,852	3,929	4,007	As OPEB
28-4330 Health Savings Account Admin Fee - ER Portion	18	19	20	21	22	23	23	24	25	25	As Medical Benefits
28-4610 Gasoline Expense	1,000	1,020	1,040	1,061	1,082	1,104	1,126	1,149	1,172	1,195	As Materials & Supplies
28-4620 Diesel	1,000	1,020	1,040	1,061	1,082	1,104	1,126	1,149	1,172	1,195	As Materials & Supplies
28-4630 Oil & Lubricants	4,500	4,590	4,682	4,775	4,871	4,968	5,068	5,169	5,272	5,378	As Materials & Supplies
28-4820 Office Supplies	2,500	2,550	2,601	2,653	2,706	2,760	2,815	2,872	2,929	2,988	As Materials & Supplies
28-6011 Automotive	33,800	34,476	35,166	35,869	36,586	37,318	38,064	38,826	39,602	40,394	As Materials & Supplies
28-6012 Mobile Equipment	250	255	260	265	271	276	282	287	293	299	As Equipment
28-6013 Generators	8,000	8,160	8,323	8,490	8,659	8,833	9,009	9,189	9,373	9,561	As Equipment
28-6030 Service Contracts	10,600	10,812	11,028	11,249	11,474	11,703	11,937	12,176	12,420	12,668	As Professional Services
28-6071 Shop Supplies	4,000	4,080	4,162	4,245	4,330	4,416	4,505	4,595	4,687	4,780	As Materials & Supplies
28-6073 Small Tools	1,500	1,530	1,561	1,592	1,624	1,656	1,689	1,723	1,757	1,793	As Equipment
28-6075 Safety Equipment - Physicals	600	612	624	637	649	662	676	689	703	717	As Miscellaneous
28-6200 Travel - Meetings - Education	1,050	1,071	1,092	1,114	1,137	1,159	1,182	1,206	1,230	1,255	As Miscellaneous
28-6250 Dues - Memberships - Certification	200	204	208	212	216	221	225	230	234	239	As Miscellaneous
28-6520 Supplies	300	306	312	318	325	331	338	345	351	359	As Materials & Supplies
Total Equipment Repair	\$336,976	\$357,094	\$366,670	\$376,510	\$386,622	\$397,013	\$407,693	\$418,668	\$429,947	\$441,539	

South Tahoe PUD
 Water Utility
 Revenue Requirement
 Exhibit 2 - Revenues & Expenses

	Budget	Projected								Notes	
	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2032		FY 2033
Laboratory											
32-4101 Regular Salaries - Wages	\$255,746	\$276,206	\$284,492	\$293,027	\$301,817	\$310,872	\$320,198	\$329,804	\$339,698	\$349,889	As Labor
32-4102 Wages Overtime	9,500	10,260	10,568	10,885	11,211	11,548	11,894	12,251	12,619	12,997	As Labor
32-4103 Wages Double Time	2,750	2,970	3,059	3,151	3,245	3,343	3,443	3,546	3,653	3,762	As Labor
32-4201 Wages - Part Time	31,700	34,236	35,263	36,321	37,411	38,533	39,689	40,880	42,106	43,369	As Labor
32-4202 Wages - Part Time Overtime	200	216	222	229	236	243	250	258	266	274	As Labor
32-4203 Wages - Part Time Double Time	100	108	111	115	118	122	125	129	133	137	As Labor
32-4301 FICA Taxes	22,950	24,786	25,530	26,295	27,084	27,897	28,734	29,596	30,484	31,398	As Labor
32-4302 Dental Self Insured	4,265	4,393	4,525	4,660	4,800	4,944	5,093	5,245	5,403	5,565	As Dental & Vision Benefits
32-4304 Vision	710	731	753	776	799	823	848	873	899	926	As Dental & Vision Benefits
32-4305 Retirement Health Savings Account	4,119	4,449	4,582	4,719	4,861	5,007	5,157	5,312	5,471	5,635	As Medical Benefits
32-4306 Workers Compensation	4,919	5,017	5,118	5,220	5,324	5,431	5,540	5,650	5,763	5,879	As Worker's Compensation
32-4308 Uniforms	600	612	624	637	649	662	676	689	703	717	As Materials & Supplies
32-4309 Health Savings Account - ER Portion	3,800	4,104	4,227	4,354	4,485	4,619	4,758	4,900	5,047	5,199	As Medical Benefits
32-4310 ACWA Medical Insurance	35,497	38,337	39,487	40,671	41,892	43,148	44,443	45,776	47,149	48,564	As Medical Benefits
32-4311 Life Insurance	601	613	625	638	651	664	677	690	704	718	As Insurance
32-4312 Long Term Disability - Management	496	506	516	526	537	548	559	570	581	593	As Insurance
32-4313 AFLAC Administrative fee - ER Portion	0	0	0	0	0	0	0	0	0	0	As Medical Benefits
32-4314 Long Term Disability - Union	442	451	460	469	478	488	498	508	518	528	As Insurance
32-4315 CalPERS Classic ER Contribution	36,152	36,875	37,613	38,365	39,132	39,915	40,713	41,527	42,358	43,205	As OPEB
32-4325 CalPERS PEPRA ER Contribution	10,898	11,116	11,338	11,565	11,796	12,032	12,273	12,518	12,769	13,024	As OPEB
32-4330 Health Savings Account Admin Fee - ER Portion	71	77	79	81	84	86	89	92	94	97	As Medical Benefits
32-4405 Contractual Services	2,750	2,805	2,861	2,918	2,977	3,036	3,097	3,159	3,222	3,287	As Professional Services
32-4610 Gasoline Expense	1,600	1,632	1,665	1,698	1,732	1,767	1,802	1,838	1,875	1,912	As Materials & Supplies
32-4760 Laboratory Supplies	32,000	32,640	33,293	33,959	34,638	35,331	36,037	36,758	37,493	38,243	As Materials & Supplies
32-4790 Other Supplies	1,000	1,020	1,040	1,061	1,082	1,104	1,126	1,149	1,172	1,195	As Materials & Supplies
32-4810 Postage Expenses	750	765	780	796	812	828	845	862	879	896	As Materials & Supplies
32-4820 Office Supplies	2,000	2,040	2,081	2,122	2,165	2,208	2,252	2,297	2,343	2,390	As Materials & Supplies
32-6025 Laboratory Equipment	6,500	6,630	6,763	6,898	7,036	7,177	7,320	7,466	7,616	7,768	As Equipment
32-6030 Service Contracts	3,200	3,264	3,329	3,396	3,464	3,533	3,604	3,676	3,749	3,824	As Professional Services
32-6041 Buildings	500	510	520	531	541	552	563	574	586	598	As Repairs & Maintenance
32-6042 Grounds & Maintenance	100	102	104	106	108	110	113	115	117	120	As Repairs & Maintenance
32-6056 Radio Repairs - Replacement	150	153	156	159	162	166	169	172	176	179	As Equipment
32-6075 Safety Equipment - Physicals	800	816	832	849	866	883	901	919	937	956	As Materials & Supplies
32-6110 Monitoring	54,975	56,075	57,196	58,340	59,507	60,697	61,911	63,149	64,412	65,700	As Materials & Supplies
32-6200 Travel - Meetings - Education	4,625	4,718	4,812	4,908	5,006	5,106	5,209	5,313	5,419	5,527	As Miscellaneous
32-6250 Dues - Memberships - Certification	3,600	3,672	3,745	3,820	3,897	3,975	4,054	4,135	4,218	4,302	As Miscellaneous
32-6520 Supplies	100	102	104	106	108	110	113	115	117	120	As Materials & Supplies
32-6650 Regulatory Operating Permits	1,190	1,214	1,238	1,263	1,288	1,314	1,340	1,367	1,394	1,422	As Miscellaneous
Total Laboratory	\$541,356	\$574,219	\$589,712	\$605,635	\$622,001	\$638,821	\$656,109	\$673,879	\$692,143	\$710,916	

South Tahoe PUD
Water Utility
Revenue Requirement
Exhibit 2 - Revenues & Expenses

	Budget	Projected									Notes
	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2032	FY 2033	
Administration											
40-4101 Regular Salaries - Wages	\$393,458	\$424,935	\$437,683	\$450,813	\$464,338	\$478,268	\$492,616	\$507,394	\$522,616	\$538,294	As Labor
40-4102 Wages Overtime	78	\$84	\$86	89	91	94	97	100	103	106	As Labor
40-4301 FICA Taxes	24,489	\$26,448	\$27,242	28,059	28,901	29,768	30,661	31,581	32,528	33,504	As Labor
40-4302 Dental Self Insured	3,967	\$4,086	\$4,208	4,335	4,465	4,599	4,737	4,879	5,025	5,176	As Dental & Vision Benefits
40-4304 Vision	660	\$680	\$701	722	743	766	789	812	837	862	As Dental & Vision Benefits
40-4305 Retirement Health Savings Account	4,186	4,521	4,657	4,796	4,940	5,088	5,241	5,398	5,560	5,727	As Medical Benefits
40-4306 Workers Compensation	2,215	2,259	2,304	2,351	2,398	2,446	2,494	2,544	2,595	2,647	As Worker's Compensation
40-4309 Health Savings Account - ER Portion	1,850	1,998	2,058	2,120	2,183	2,249	2,316	2,386	2,457	2,531	As Medical Benefits
40-4310 ACWA Medical Insurance	24,358	26,307	27,096	27,909	28,746	29,608	30,497	31,412	32,354	33,324	As Medical Benefits
40-4311 Life Insurance	616	628	641	654	667	680	694	708	722	736	As Insurance
40-4312 Long Term Disability - Management	1,261	1,286	1,312	1,338	1,365	1,392	1,420	1,448	1,477	1,507	As Insurance
40-4313 AFLAC Administrative fee - ER Portion	50	54	56	57	59	61	63	64	66	68	As Medical Benefits
40-4314 Long Term Disability - Union	110	119	122	126	130	134	138	142	146	150	As Medical Benefits
40-4315 CalPERS Classic ER Contribution	39,863	40,660	41,473	42,303	43,149	44,012	44,892	45,790	46,706	47,640	As OPEB
40-4325 CalPERS PEPRA ER Contribution	8,752	8,927	9,106	9,288	9,473	9,663	9,856	10,053	10,254	10,459	As OPEB
40-4330 Health Savings Account Admin Fee - ER Portion	35	38	39	40	41	43	44	45	46	48	As Medical Benefits
40-4405 Contractual Services	54,300	55,386	56,494	57,624	58,776	59,952	61,151	62,374	63,621	64,894	As Professional Services
40-4475 Legal - Special Projects	1,000	1,020	1,040	1,061	1,082	1,104	1,126	1,149	1,172	1,195	As Professional Services
40-4480 Legal - Regular	500	510	520	531	541	552	563	574	586	598	As Professional Services
40-4610 Gasoline Expense	1,100	1,122	1,144	1,167	1,191	1,214	1,239	1,264	1,289	1,315	As Materials & Supplies
40-4820 Office Supplies	1,800	1,836	1,873	1,910	1,948	1,987	2,027	2,068	2,109	2,151	As Materials & Supplies
40-4830 Subscription Expense	0	0	0	0	0	0	0	0	0	0	As Materials & Supplies
40-4920 Printing	100	102	104	106	108	110	113	115	117	120	As Materials & Supplies
40-6030 Service Contracts	650	663	676	690	704	718	732	747	762	777	As Professional Services
40-6075 Safety Equipment - Physicals	100	102	104	106	108	110	113	115	117	120	As Materials & Supplies
40-6200 Travel - Meetings - Education	1,504	1,534	1,565	1,596	1,628	1,661	1,694	1,728	1,762	1,797	As Miscellaneous
40-6250 Dues - Memberships - Certification	600	612	624	637	649	662	676	689	703	717	As Miscellaneous
40-6520 Supplies	1,250	1,275	1,301	1,327	1,353	1,380	1,408	1,436	1,465	1,494	As Materials & Supplies
40-6621 Incentive & Recognition Program	4,650	4,743	4,838	4,935	5,033	5,134	5,237	5,341	5,448	5,557	As Miscellaneous
Total Administration	\$573,502	\$611,935	\$629,067	\$646,687	\$664,812	\$683,454	\$702,630	\$722,355	\$742,644	\$763,514	
Board of Directors											
42-4101 Regular Salaries - Wages	\$12,000	\$12,960	\$13,349	\$13,749	\$14,162	\$14,587	\$15,024	\$15,475	\$15,939	\$16,417	As Labor
42-4301 FICA Taxes	918	991	1,021	1,052	1,083	1,116	1,149	1,184	1,219	1,256	As Labor
42-4302 Dental Self Insured	4,265	4,393	4,525	4,660	4,800	4,944	5,093	5,245	5,403	5,565	As Dental & Vision Benefits
42-4304 Vision	710	731	753	776	799	823	848	873	899	926	As Dental & Vision Benefits
42-4306 Workers Compensation	94	96	98	100	102	104	106	108	110	112	As Worker's Compensation
42-4310 ACWA Medical Insurance	62,380	67,370	69,392	71,473	73,617	75,826	78,101	80,444	82,857	85,343	As Medical Benefits
42-4311 Life Insurance	131	134	136	139	142	145	148	150	153	157	As Insurance
42-4315 CalPERS Classic ER Contribution	0	0	0	0	0	0	0	0	0	0	As OPEB
42-4475 Legal - Special Projects	250	255	260	265	271	276	282	287	293	299	As Professional Services
42-4480 Legal - Regular	25,000	25,500	26,010	26,530	27,061	27,602	28,154	28,717	29,291	29,877	As Professional Services
42-4820 Office Supplies	950	969	988	1,008	1,028	1,049	1,070	1,091	1,113	1,135	As Materials & Supplies
42-6200 Travel - Meetings - Education	250	255	260	265	271	276	282	287	293	299	As Miscellaneous
42-6250 Dues - Memberships - Certification	59,700	60,894	62,112	63,354	64,621	65,914	67,232	68,577	69,948	71,347	As Miscellaneous
42-6520 Supplies	250	255	260	265	271	276	282	287	293	299	As Materials & Supplies
42-6610 Election Expense	0	0	0	0	0	0	0	0	0	0	As Miscellaneous
Total Board of Directors	\$166,898	\$174,804	\$179,164	\$183,638	\$188,228	\$192,937	\$197,769	\$202,726	\$207,813	\$213,032	

South Tahoe PUD
 Water Utility
 Revenue Requirement
 Exhibit 2 - Revenues & Expenses

	Budget	Projected								Notes	
	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2032		FY 2033
Human Resources											
44-4101 Regular Salaries - Wages	\$139,525	\$150,687	\$155,208	\$159,864	\$164,660	\$169,600	\$174,688	\$179,928	\$185,326	\$190,886	As Labor
44-4102 Wages Overtime	250	270	278	286	295	304	313	322	332	342	As Labor
44-4201 Wages - Part Time	0	0	0	0	0	0	0	0	0	0	As Labor
44-4301 FICA Taxes	10,220	11,038	11,369	11,710	12,061	12,423	12,796	13,179	13,575	13,982	As Labor
44-4302 Dental Self Insured	2,003	2,063	2,125	2,189	2,254	2,322	2,392	2,463	2,537	2,613	As Dental & Vision Benefits
44-4304 Vision	429	442	455	469	483	497	512	528	543	560	As Dental & Vision Benefits
44-4305 Retirement Health Savings Account	2,116	2,285	2,354	2,424	2,497	2,572	2,649	2,729	2,811	2,895	As Medical Benefits
44-4306 Workers Compensation	1,089	1,111	1,133	1,156	1,179	1,202	1,226	1,251	1,276	1,301	As Worker's Compensation
44-4309 Health Savings Account - ER Portion	2,400	2,592	2,670	2,750	2,832	2,917	3,005	3,095	3,188	3,283	As Medical Benefits
44-4310 ACWA Medical Insurance	23,057	24,902	25,649	26,418	27,211	28,027	28,868	29,734	30,626	31,545	As Medical Benefits
44-4311 Life Insurance	562	573	585	596	608	620	633	646	658	672	As Insurance
44-4312 Long Term Disability - Management	552	563	574	586	598	609	622	634	647	660	As Insurance
44-4313 AFLAC Administrative fee - ER Portion	25	27	28	29	30	30	31	32	33	34	As Medical Benefits
44-4314 Long Term Disability - Union	110	112	114	117	119	121	124	126	129	131	As Insurance
44-4315 CalPERS Classic ER Contribution	25,236	25,741	26,256	26,781	27,316	27,863	28,420	28,988	29,568	30,159	As OPEB
44-4325 CalPERS PEPRA ER Contribution	3,840	3,917	3,995	4,075	4,157	4,240	4,324	4,411	4,499	4,589	As OPEB
44-4330 Health Savings Account Admin Fee - ER Portion	35	38	39	40	41	43	44	45	46	48	As Medical Benefits
44-4405 Contractual Services	25,000	25,500	26,010	26,530	27,061	27,602	28,154	28,717	29,291	29,877	As Professional Services
44-4445 Personnel Legal	10,000	10,200	10,404	10,612	10,824	11,041	11,262	11,487	11,717	11,951	As Professional Services
44-4810 Postage Expenses	75	77	78	80	81	83	84	86	88	90	As Materials & Supplies
44-4820 Office Supplies	1,100	1,122	1,144	1,167	1,191	1,214	1,239	1,264	1,289	1,315	As Materials & Supplies
44-4830 Subscription Expense	125	128	130	133	135	138	141	144	146	149	As Materials & Supplies
44-4920 Printing	100	102	104	106	108	110	113	115	117	120	As Materials & Supplies
44-4930 Ads-Legal Notices	7,525	7,676	7,829	7,986	8,145	8,308	8,474	8,644	8,817	8,993	As Materials & Supplies
44-6030 Service Contracts	10,300	10,506	10,716	10,930	11,149	11,372	11,599	11,831	12,068	12,309	As Professional Services
44-6075 Safety Equipment - Physicals	2,550	2,601	2,653	2,706	2,760	2,815	2,872	2,929	2,988	3,047	As Equipment
44-6079 Safety Programs	30,050	30,651	31,264	31,889	32,527	33,178	33,841	34,518	35,208	35,913	As Miscellaneous
44-6200 Travel - Meetings - Education	4,100	4,182	4,266	4,351	4,438	4,527	4,617	4,710	4,804	4,900	As Miscellaneous
44-6225 Staff Development	12,700	12,954	13,213	13,477	13,747	14,022	14,302	14,588	14,880	15,178	As Miscellaneous
44-6250 Dues - Memberships - Certification	900	918	936	955	974	994	1,014	1,034	1,054	1,076	As Professional Services
44-6520 Supplies	50	51	52	53	54	55	56	57	59	60	As Materials & Supplies
44-6670 Personnel Expense	1,825	1,862	1,899	1,937	1,975	2,015	2,055	2,096	2,138	2,181	As Miscellaneous
Total Human Resources	\$317,849	\$334,888	\$343,529	\$352,401	\$361,511	\$370,865	\$380,470	\$390,332	\$400,459	\$410,859	

South Tahoe PUD
Water Utility
Revenue Requirement
Exhibit 2 - Revenues & Expenses

	Budget	Projected									Notes
	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2032	FY 2033	
Finance											
50-4101 Regular Salaries - Wages	\$250,417	\$270,450	\$278,564	\$286,921	\$295,528	\$304,394	\$313,526	\$322,932	\$332,620	\$342,598	As Labor
50-4102 Wages Overtime	5,000	5,400	5,562	5,729	5,901	6,078	6,260	6,448	6,641	6,841	As Labor
50-4103 Wages Double Time	0	0	0	0	0	0	0	0	0	0	As Labor
50-4201 Wages - Part Time	0	0	0	0	0	0	0	0	0	0	As Labor
50-4301 FICA Taxes	18,053	19,497	20,082	20,685	21,305	21,944	22,603	23,281	23,979	24,699	As Labor
50-4302 Dental Self Insured	3,412	3,514	3,620	3,728	3,840	3,955	4,074	4,196	4,322	4,452	As Dental & Vision Benefits
50-4304 Vision	568	585	603	621	639	658	678	699	720	741	As Dental & Vision Benefits
50-4305 Retirement Health Savings Account	4,009	4,330	4,460	4,593	4,731	4,873	5,019	5,170	5,325	5,485	As Medical Benefits
50-4306 Workers Compensation	1,944	1,983	2,023	2,063	2,104	2,146	2,189	2,233	2,278	2,323	As Worker's Compensation
50-4308 Uniforms	0	0	0	0	0	0	0	0	0	0	As Materials & Supplies
50-4309 Health Savings Account - ER Portion	0	0	0	0	0	0	0	0	0	0	As Medical Benefits
50-4310 ACWA Medical Insurance	24,754	26,734	27,536	28,362	29,213	30,090	30,992	31,922	32,880	33,866	As Medical Benefits
50-4311 Life Insurance	593	605	617	629	642	655	668	681	695	709	As Insurance
50-4312 Long Term Disability - Management	735	750	765	780	796	811	828	844	861	878	As Insurance
50-4313 AFLAC Administrative fee - ER Portion	25	27	28	29	30	30	31	32	33	34	As Medical Benefits
50-4314 Long Term Disability - Union	315	321	328	334	341	348	355	362	369	376	As Insurance
50-4315 CalPERS Classic ER Contribution	29,896	30,494	31,104	31,726	32,360	33,008	33,668	34,341	35,028	35,728	As OPEB
50-4325 CalPERS PEPRER ER Contribution	11,104	11,326	11,553	11,784	12,019	12,260	12,505	12,755	13,010	13,270	As OPEB
50-4330 Health Savings Account Admin Fee - ER Portion	0	0	0	0	0	0	0	0	0	0	As Medical Benefits
50-4405 Contractual Services	2,500	2,550	2,601	2,653	2,706	2,760	2,815	2,872	2,929	2,988	As Professional Services
50-4440 Advisory	51,000	52,020	53,060	54,122	55,204	56,308	57,434	58,583	59,755	60,950	As Professional Services
50-4470 Auditing	29,300	29,886	30,484	31,093	31,715	32,350	32,997	33,656	34,330	35,016	As Professional Services
50-4475 Legal - Special Projects	250	255	260	265	271	276	282	287	293	299	As Professional Services
50-4480 Legal - Regular	500	510	520	531	541	552	563	574	586	598	As Professional Services
50-4610 Gasoline Expense	0	0	0	0	0	0	0	0	0	0	As Materials & Supplies
50-4620 Diesel	0	0	0	0	0	0	0	0	0	0	As Materials & Supplies
50-4810 Postage Expenses	50	51	52	53	54	55	56	57	59	60	As Materials & Supplies
50-4820 Office Supplies	750	765	780	796	812	828	845	862	879	896	As Materials & Supplies
50-4830 Subscription Expense	425	434	442	451	460	469	479	488	498	508	As Materials & Supplies
50-4920 Printing	700	714	728	743	758	773	788	804	820	837	As Materials & Supplies
50-4930 Ads-Legal Notices	300	306	312	318	325	331	338	345	351	359	As Materials & Supplies
50-6027 Office Equipment Repair	75	77	78	80	81	83	84	86	88	90	As Equipment
50-6030 Service Contracts	1,950	1,989	2,029	2,069	2,111	2,153	2,196	2,240	2,285	2,330	As Professional Services
50-6075 Safety Equipment - Physicals	100	102	104	106	108	110	113	115	117	120	As Equipment
50-6200 Travel - Meetings - Education	2,350	2,397	2,445	2,494	2,544	2,595	2,646	2,699	2,753	2,808	As Miscellaneous
50-6250 Dues - Memberships - Certification	135	138	140	143	146	149	152	155	158	161	As Miscellaneous
50-6520 Supplies	250	255	260	265	271	276	282	287	293	299	As Materials & Supplies
Total Finance	\$441,460	\$468,464	\$481,139	\$494,166	\$507,556	\$521,319	\$535,466	\$550,007	\$564,954	\$580,319	

South Tahoe PUD
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 Exhibit 2 - Revenues & Expenses

	Budget	Projected									Notes	
	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2032	FY 2033		
Accounting												
52-4101 Regular Salaries - Wages	\$204,259	\$220,600	\$227,218	\$234,034	\$241,055	\$248,287	\$255,736	\$263,408	\$271,310	\$279,449	As Labor	
52-4102 Wages Overtime	5,000	5,400	5,562	5,729	5,901	6,078	6,260	6,448	6,641	6,841	As Labor	
52-4201 Wages - Part Time	6,000	6,480	6,674	6,875	7,081	7,293	7,512	7,737	7,970	8,209	As Labor	
52-4301 FICA Taxes	16,467	17,784	18,318	18,867	19,433	20,016	20,617	21,235	21,873	22,529	As Labor	
52-4302 Dental Self Insured	3,412	3,514	3,620	3,728	3,840	3,955	4,074	4,196	4,322	4,452	As Dental & Vision Benefits	
52-4304 Vision	568	585	603	621	639	658	678	699	720	741	As Dental & Vision Benefits	
52-4305 Retirement Health Savings Account	3,550	3,834	3,949	4,067	4,190	4,315	4,445	4,578	4,715	4,857	As Medical Benefits	
52-4306 Workers Compensation	1,658	1,691	1,725	1,759	1,795	1,831	1,867	1,905	1,943	1,981	As Worker's Compensation	
52-4309 Health Savings Account - ER Portion	650	702	723	745	767	790	814	838	863	889	As Medical Benefits	
52-4310 ACWA Medical Insurance	44,062	47,587	49,015	50,485	52,000	53,560	55,166	56,821	58,526	60,282	As Medical Benefits	
52-4311 Life Insurance	528	539	549	560	572	583	595	607	619	631	As Insurance	
52-4312 Long Term Disability - Management	533	544	555	566	577	588	600	612	624	637	As Insurance	
52-4313 AFLAC Administrative fee - ER Portion	50	54	56	57	59	61	63	64	66	68	As Medical Benefits	
52-4314 Long Term Disability - Union	331	338	344	351	358	365	373	380	388	396	As Insurance	
52-4315 CalPERS Classic ER Contribution	43,565	44,436	45,325	46,232	47,156	48,099	49,061	50,042	51,043	52,064	As OPEB	
52-4325 CalPERS PEPRA ER Contribution	4,504	4,594	4,686	4,780	4,875	4,973	5,072	5,174	5,277	5,383	As OPEB	
52-4330 Health Savings Account Admin Fee - ER Portion	18	19	20	21	21	22	23	23	24	25	As Medical Benefits	
52-4405 Contractual Services	34,795	35,491	36,201	36,925	37,663	38,416	39,185	39,969	40,768	41,583	As Professional Services	
52-4440 Advisory	350	357	364	371	379	386	394	402	410	418	As Professional Services	
52-4810 Postage Expenses	25	26	26	27	27	28	28	29	29	30	As Materials & Supplies	
52-4820 Office Supplies	1,950	1,989	2,029	2,069	2,111	2,153	2,196	2,240	2,285	2,330	As Materials & Supplies	
52-4830 Subscription Expense	275	281	286	292	298	304	310	316	322	329	As Materials & Supplies	
52-4920 Printing	0	0	0	0	0	0	0	0	0	0	As Materials & Supplies	
52-4930 Ads-Legal Notices	0	0	0	0	0	0	0	0	0	0	As Materials & Supplies	
52-6030 Service Contracts	0	0	0	0	0	0	0	0	0	0	As Professional Services	
52-6075 Safety Equipment - Physicals	100	102	104	106	108	110	113	115	117	120	As Equipment	
52-6200 Travel - Meetings - Education	3,750	3,825	3,902	3,980	4,059	4,140	4,223	4,308	4,394	4,482	As Miscellaneous	
52-6230 Tuition & Reimbursement Program	0	0	0	0	0	0	0	0	0	0	As Miscellaneous	
52-6250 Dues - Memberships - Certification	75	77	78	80	81	83	84	86	88	90	As Miscellaneous	
52-6520 Supplies	200	204	208	212	216	221	225	230	234	239	As Materials & Supplies	
52-6709 Loan Principal Payment												927,974
52-6710 Interest Expense												311,530
52-6730 Fiscal Agent Fees	30,930	31,549	32,180	32,823	33,480	34,149	34,832	35,529	36,239	36,964	As Miscellaneous	30,930
Total Accounting	\$407,605	\$432,600	\$444,318	\$456,362	\$468,741	\$481,466	\$494,546	\$507,990	\$521,811	\$536,017		

South Tahoe PUD
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	Budget	Projected									Notes
	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2032	FY 2033	
Public Affairs/Water Conservation											
46-4101 Regular Salaries - Wages	\$117,768	\$127,189	\$131,005	\$134,935	\$138,983	\$143,153	\$147,447	\$151,871	\$156,427	\$161,120	As Labor
46-4201 Wages - Part Time	50,000	54,000	55,620	57,289	59,007	60,777	62,601	64,479	66,413	68,406	As Labor
46-4202 Wages - Part Time Overtime	0	0	0	0	0	0	0	0	0	0	As Labor
46-4301 FICA Taxes	10,922	11,796	12,150	12,514	12,890	13,276	13,675	14,085	14,507	14,943	As Labor
46-4302 Dental Self Insured	1,706	1,757	1,810	1,864	1,920	1,978	2,037	2,098	2,161	2,226	As Dental & Vision Benefits
46-4304 Vision	284	293	301	310	320	329	339	349	360	371	As Dental & Vision Benefits
46-4305 Retirement Health Savings Account	1,936	2,091	2,154	2,218	2,285	2,353	2,424	2,497	2,572	2,649	As Medical Benefits
46-4306 Workers Compensation	918	936	955	974	994	1,014	1,034	1,054	1,076	1,097	As Worker's Compensation
46-4309 Health Savings Account - ER Portion	1,200	1,296	1,335	1,375	1,416	1,459	1,502	1,547	1,594	1,642	As Medical Benefits
46-4310 ACWA Medical Insurance	23,615	25,504	26,269	27,057	27,869	28,705	29,566	30,453	31,367	32,308	As Medical Benefits
46-4311 Life Insurance	315	321	328	334	341	348	355	362	369	376	As Insurance
46-4312 Long Term Disability - Management	481	491	500	510	521	531	542	553	564	575	As Insurance
46-4314 Long Term Disability - Union	110	112	114	117	119	121	124	126	129	131	As Insurance
46-4315 CalPERS Classic ER Contribution	48,683	49,657	50,650	51,663	52,696	53,750	54,825	55,921	57,040	58,181	As OPEB
46-4330 Health Savings Account Admin Fee - ER Portion	18	19	20	21	21	22	23	23	24	25	As Medical Benefits
46-4405 Contractual Services	30,925	31,544	32,174	32,818	33,474	34,144	34,827	35,523	36,234	36,958	As Professional Services
46-4610 Gasoline Expense	0	0	0	0	0	0	0	0	0	0	As Materials & Supplies
46-4620 Diesel	0	0	0	0	0	0	0	0	0	0	As Materials & Supplies
46-4810 Postage Expenses	6,000	6,120	6,242	6,367	6,495	6,624	6,757	6,892	7,030	7,171	As Materials & Supplies
46-4820 Office Supplies	3,000	3,060	3,121	3,184	3,247	3,312	3,378	3,446	3,515	3,585	As Materials & Supplies
46-4830 Subscription Expense	0	0	0	0	0	0	0	0	0	0	As Materials & Supplies
46-4920 Printing	2,000	2,040	2,081	2,122	2,165	2,208	2,252	2,297	2,343	2,390	As Materials & Supplies
46-4930 Ads-Legal Notices	0	0	0	0	0	0	0	0	0	0	As Materials & Supplies
46-6072 Janitorial Supplies	0	0	0	0	0	0	0	0	0	0	As Professional Services
46-6074 Janitorial Services	0	0	0	0	0	0	0	0	0	0	As Professional Services
46-6075 Safety Equipment - Physicals	100	102	104	106	108	110	113	115	117	120	As Equipment
46-6200 Travel - Meetings - Education	2,500	2,550	2,601	2,653	2,706	2,760	2,815	2,872	2,929	2,988	As Miscellaneous
46-6250 Dues - Memberships - Certification	825	842	858	875	893	911	929	948	967	986	As Miscellaneous
46-6520 Supplies	100	102	104	106	108	110	113	115	117	120	As Materials & Supplies
46-6620 Public Relation Expense	31,250	31,875	32,513	33,163	33,826	34,503	35,193	35,896	36,614	37,347	As Miscellaneous
46-6660 Water Conservation Supplies	10,000	10,200	10,404	10,612	10,824	11,041	11,262	11,487	11,717	11,951	As Miscellaneous
46-6661 Toilet Rebate Program	7,500	7,650	7,803	7,959	8,118	8,281	8,446	8,615	8,787	8,963	As Miscellaneous
46-6662 Clothes Washer Rebate Program	7,500	7,650	7,803	7,959	8,118	8,281	8,446	8,615	8,787	8,963	As Miscellaneous
46-6663 Turf By-Back Program	62,475	63,725	64,999	66,299	67,625	68,977	70,357	71,764	73,199	74,663	As Miscellaneous
46-6664 Water use Reduction Rebates	133,000	135,660	138,373	141,141	143,963	146,843	149,780	152,775	155,831	158,947	As Miscellaneous
46-6665 Public Agency Rebates	43,850	44,727	45,622	46,534	47,465	48,414	49,382	50,370	51,377	52,405	As Miscellaneous
Total Public Affairs/Water Conservation	\$598,981	\$623,308	\$638,014	\$653,081	\$668,518	\$684,336	\$700,543	\$717,150	\$734,167	\$751,604	

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	Budget	Projected									Notes	
	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2032	FY 2033		
Purchasing												
54-4101 Regular Salaries - Wages	\$115,747	\$125,007	\$128,757	\$132,620	\$136,598	\$140,696	\$144,917	\$149,265	\$153,743	\$158,355	As Labor	
54-4102 Wages Overtime	350	378	389	401	413	425	438	451	465	479	As Labor	
54-4301 FICA Taxes	8,855	9,563	9,850	10,146	10,450	10,764	11,087	11,419	11,762	12,115	As Labor	
54-4302 Dental Self Insured	1,706	1,757	1,810	1,864	1,920	1,978	2,037	2,098	2,161	2,226	As Dental & Vision Benefits	
54-4304 Vision	284	293	301	310	320	329	339	349	360	371	As Dental & Vision Benefits	
54-4305 Retirement Health Savings Account	1,947	2,103	2,166	2,231	2,298	2,367	2,438	2,511	2,586	2,664	As Medical Benefits	
54-4306 Workers Compensation	894	912	930	949	968	987	1,007	1,027	1,047	1,068	As Worker's Compensation	
54-4308 Uniforms	100	102	104	106	108	110	113	115	117	120	As Materials & Supplies	
54-4309 Health Savings Account - ER Portion	1,300	1,404	1,446	1,490	1,534	1,580	1,628	1,676	1,727	1,779	As Medical Benefits	
54-4310 ACWA Medical Insurance	21,041	22,724	23,406	24,108	24,831	25,576	26,344	27,134	27,948	28,786	As Medical Benefits	
54-4311 Life Insurance	269	274	280	285	291	297	303	309	315	321	As Insurance	
54-4312 Long Term Disability - Management	486	496	506	516	526	537	547	558	569	581	As Insurance	
54-4313 AFLAC Administrative fee - ER Portion	25	27	28	29	30	30	31	32	33	34	As Medical Benefits	
54-4314 Long Term Disability - Union	110	112	114	117	119	121	124	126	129	131	As Insurance	
54-4315 CalPERS Classic ER Contribution	32,914	33,572	34,244	34,929	35,627	36,340	37,067	37,808	38,564	39,335	As OPEB	
54-4330 Health Savings Account Admin Fee - ER Portion	18	19	20	21	21	22	23	23	24	25	As Medical Benefits	
54-4440 Advisory	100	102	104	106	108	110	113	115	117	120	As Professional Services	
54-4480 Legal - Regular	550	561	572	584	595	607	619	632	644	657	As Professional Services	
54-4610 Gasoline Expense	250	255	260	265	271	276	282	287	293	299	As Materials & Supplies	
54-4620 Diesel	75	77	78	80	81	83	84	86	88	90	As Materials & Supplies	
54-4810 Postage Expenses	25	26	26	27	27	28	28	29	29	30	As Materials & Supplies	
54-4820 Office Supplies	650	663	676	690	704	718	732	747	762	777	As Materials & Supplies	
54-4830 Subscription Expense	25	26	26	27	27	28	28	29	29	30	As Miscellaneous	
54-4920 Printing	0	0	0	0	0	0	0	0	0	0	As Materials & Supplies	
54-4930 Ads-Legal Notices	600	612	624	637	649	662	676	689	703	717	As Materials & Supplies	
54-6030 Service Contracts	1,340	1,367	1,394	1,422	1,450	1,479	1,509	1,539	1,570	1,601	As Professional Services	
54-6072 Janitorial Supplies	5,000	5,100	5,202	5,306	5,412	5,520	5,631	5,743	5,858	5,975	As Materials & Supplies	
54-6074 Janitorial Services	25,900	26,418	26,946	27,485	28,035	28,596	29,168	29,751	30,346	30,953	As Professional Services	
54-6075 Safety Equipment - Physicals	100	102	104	106	108	110	113	115	117	120	As Equipment	
54-6200 Travel - Meetings - Education	1,735	1,770	1,805	1,841	1,878	1,916	1,954	1,993	2,033	2,073	As Miscellaneous	
54-6250 Dues - Memberships - Certification	75	77	78	80	81	83	84	86	88	90	As Miscellaneous	
54-6520 Supplies	50	51	52	53	54	55	56	57	59	60	As Materials & Supplies	
Total Purchasing	\$222,521	\$235,948	\$242,300	\$248,828	\$255,536	\$262,431	\$269,518	\$276,801	\$284,286	\$291,980		

South Tahoe PUD
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	Budget	Projected									Notes
	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2032	FY 2033	
Information Technology											
56-4101 Regular Salaries - Wages	\$315,696	\$340,952	\$351,180	\$361,716	\$372,567	\$383,744	\$395,256	\$407,114	\$419,328	\$431,907	As Labor
56-4102 Wages Overtime	7,500	8,100	8,343	8,593	8,851	9,117	9,390	9,672	9,962	10,261	As Labor
56-4103 Wages Double Time	0	0	0	0	0	0	0	0	0	0	As Labor
56-4301 FICA Taxes	24,119	26,049	26,830	27,635	28,464	29,318	30,197	31,103	32,036	32,997	As Labor
56-4302 Dental Self Insured	4,265	4,393	4,525	4,660	4,800	4,944	5,093	5,245	5,403	5,565	As Dental & Vision Benefits
56-4304 Vision	710	731	753	776	799	823	848	873	899	926	As Dental & Vision Benefits
56-4305 Retirement Health Savings Account	4,387	4,738	4,880	5,027	5,177	5,333	5,493	5,657	5,827	6,002	As Medical Benefits
56-4306 Workers Compensation	2,501	2,551	2,602	2,654	2,707	2,761	2,817	2,873	2,930	2,989	As Worker's Compensation
56-4309 Health Savings Account - ER Portion	2,400	2,592	2,670	2,750	2,832	2,917	3,005	3,095	3,188	3,283	As Medical Benefits
56-4310 ACWA Medical Insurance	49,558	53,523	55,128	56,782	58,486	60,240	62,047	63,909	65,826	67,801	As Medical Benefits
56-4311 Life Insurance	661	674	688	701	715	730	744	759	774	790	As Insurance
56-4312 Long Term Disability - Management	601	613	625	638	651	664	677	690	704	718	As Insurance
56-4313 AFLAC Administrative fee - ER Portion	25	27	28	29	30	30	31	32	33	34	As Medical Benefits
56-4314 Long Term Disability - Union	442	451	460	469	478	488	498	508	518	528	As Insurance
56-4315 CalPERS Classic ER Contribution	45,204	46,108	47,030	47,971	48,930	49,909	50,907	51,925	52,964	54,023	As OPEB
56-4325 CalPERS PEPRA ER Contribution	12,371	12,618	12,871	13,128	13,391	13,659	13,932	14,210	14,495	14,784	As OPEB
56-4330 Health Savings Account Admin Fee - ER Portion	35	38	39	40	41	43	44	45	46	48	As Medical Benefits
56-4405 Contractual Services	32,000	32,640	33,293	33,959	34,638	35,331	36,037	36,758	37,493	38,243	As Professional Services
56-4810 Postage Expenses	75	77	78	80	81	83	84	86	88	90	As Materials & Supplies
56-4820 Office Supplies	3,000	3,060	3,121	3,184	3,247	3,312	3,378	3,446	3,515	3,585	As Materials & Supplies
56-4830 Subscription Expense	175	179	182	186	189	193	197	201	205	209	As Materials & Supplies
56-4840 District Computer Supplies	32,000	32,640	33,293	33,959	34,638	35,331	36,037	36,758	37,493	38,243	As Miscellaneous
56-4845 Computer Purchases	44,350	45,237	46,142	47,065	48,006	48,966	49,945	50,944	51,963	53,002	As Equipment
56-6030 Service Contracts	289,168	294,951	300,850	306,867	313,005	319,265	325,650	332,163	338,806	345,583	As Professional Services
56-6075 Safety Equipment - Physicals	200	204	208	212	216	221	225	230	234	239	As Equipment
56-6200 Travel - Meetings - Education	15,000	15,300	15,606	15,918	16,236	16,561	16,892	17,230	17,575	17,926	As Miscellaneous
56-6250 Dues - Memberships - Certification	850	867	884	902	920	938	957	976	996	1,016	As Miscellaneous
56-6310 Telephone	650	663	676	690	704	718	732	747	762	777	As Utilities
56-6520 Supplies	250	255	260	265	271	276	282	287	293	299	As Materials & Supplies
Total Information Technology	\$888,193	\$930,230	\$953,246	\$976,855	\$1,001,072	\$1,025,914	\$1,051,397	\$1,077,539	\$1,104,357	\$1,131,870	

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Revenue Requirement
Exhibit 2 - Revenues & Expenses

	Budget	Projected									Notes
	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2032	FY 2033	
Customer Service											
60-4101 Regular Salaries - Wages	\$242,514	\$261,915	\$269,773	\$277,866	\$286,202	\$294,788	\$303,631	\$312,740	\$322,123	\$331,786	As Labor
60-4102 Wages Overtime	3,250	3,510	3,615	3,724	3,835	3,951	4,069	4,191	4,317	4,446	As Labor
60-4301 FICA Taxes	18,801	20,305	20,914	21,542	22,188	22,854	23,539	24,245	24,973	25,722	As Labor
60-4302 Dental Self Insured	5,118	5,272	5,430	5,593	5,760	5,933	6,111	6,294	6,483	6,678	As Dental & Vision Benefits
60-4304 Vision	852	878	904	931	959	988	1,017	1,048	1,079	1,112	As Dental & Vision Benefits
60-4305 Retirement Health Savings Account	4,642	5,013	5,164	5,319	5,478	5,643	5,812	5,986	6,166	6,351	As Medical Benefits
60-4306 Workers Compensation	1,908	1,946	1,985	2,025	2,065	2,107	2,149	2,192	2,236	2,280	As Worker's Compensation
60-4308 Uniforms	0	0	0	0	0	0	0	0	0	0	As Materials & Supplies
60-4309 Health Savings Account - ER Portion	3,150	3,402	3,504	3,609	3,717	3,829	3,944	4,062	4,184	4,310	As Medical Benefits
60-4310 ACWA Medical Insurance	57,044	61,608	63,456	65,359	67,320	69,340	71,420	73,563	75,769	78,043	As Medical Benefits
60-4311 Life Insurance	687	701	715	729	744	759	774	789	805	821	As Insurance
60-4312 Long Term Disability - Management	441	450	459	468	477	487	497	507	517	527	As Insurance
60-4313 AFLAC Administrative fee - ER Portion	25	27	28	29	30	30	31	32	33	34	As Medical Benefits
60-4314 Long Term Disability - Union	504	514	524	535	546	556	568	579	591	602	As Insurance
60-4315 CalPERS Classic ER Contribution	19,496	19,886	20,284	20,689	21,103	21,525	21,956	22,395	22,843	23,300	As OPEB
60-4325 CalPERS PEPRA ER Contribution	18,961	19,340	19,727	20,122	20,524	20,934	21,353	21,780	22,216	22,660	As OPEB
60-4330 Health Savings Account Admin Fee - ER Portion	53	57	59	61	63	64	66	68	70	73	As Medical Benefits
60-4405 Contractual Services	0	0	0	0	0	0	0	0	0	0	As Professional Services
60-4475 Legal - Special Projects	1,500	1,530	1,561	1,592	1,624	1,656	1,689	1,723	1,757	1,793	As Professional Services
60-4476 Legal Litigation Confidential	0	0	0	0	0	0	0	0	0	0	As Professional Services
60-4480 Legal - Regular	5,000	5,100	5,202	5,306	5,412	5,520	5,631	5,743	5,858	5,975	As Professional Services
60-4520 Miscellaneous Liability Claims	1,000	1,020	1,040	1,061	1,082	1,104	1,126	1,149	1,172	1,195	As Miscellaneous
60-4521 CSRMA Liability Claims	0	0	0	0	0	0	0	0	0	0	As Miscellaneous
60-4610 Gasoline Expense	0	0	0	0	0	0	0	0	0	0	As Materials & Supplies
60-4810 Postage Expenses	47,250	48,195	49,159	50,142	51,145	52,168	53,211	54,275	55,361	56,468	As Materials & Supplies
60-4820 Office Supplies	2,300	2,346	2,393	2,441	2,490	2,539	2,590	2,642	2,695	2,749	As Materials & Supplies
60-4920 Printing	24,500	24,990	25,490	26,000	26,520	27,050	27,591	28,143	28,706	29,280	As Materials & Supplies
60-4930 Ads-Legal Notices	1,500	1,530	1,561	1,592	1,624	1,656	1,689	1,723	1,757	1,793	As Materials & Supplies
60-5020 Equipment Rental - Lease	2,190	2,234	2,278	2,324	2,371	2,418	2,466	2,516	2,566	2,617	As Equipment
60-6027 Office Equipment Repair	100	102	104	106	108	110	113	115	117	120	As Equipment
60-6030 Service Contracts	100,000	102,000	104,040	106,121	108,243	110,408	112,616	114,869	117,166	119,509	As Professional Services
60-6045 Water Meters & Parts	0	0	0	0	0	0	0	0	0	0	As Equipment
60-6071 Shop Supplies	0	0	0	0	0	0	0	0	0	0	As Equipment
60-6073 Small Tools	0	0	0	0	0	0	0	0	0	0	As Equipment
60-6075 Safety Equipment - Physicals	200	204	208	212	216	221	225	230	234	239	As Equipment
60-6200 Travel - Meetings - Education	5,920	6,038	6,159	6,282	6,408	6,536	6,667	6,800	6,936	7,075	As Miscellaneous
60-6250 Dues - Memberships - Certification	670	683	697	711	725	740	755	770	785	801	As Miscellaneous
60-6310 Telephone	130	133	135	138	141	144	146	149	152	155	As Utilities
60-6520 Supplies	250	255	260	265	271	276	282	287	293	299	As Materials & Supplies
60-6640 Bad Debt Expense	5,000	5,100	5,202	5,306	5,412	5,520	5,631	5,743	5,858	5,975	As Miscellaneous
Total Customer Service	\$574,956	\$606,284	\$622,029	\$638,198	\$654,802	\$671,854	\$689,365	\$707,349	\$725,818	\$744,787	

South Tahoe PUD
Water Utility
Revenue Requirement
Exhibit 2 - Revenues & Expenses

	Budget	Projected								Notes	
	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2032		FY 2033
Inspections											
62-4101 Regular Salaries - Wages	\$290,260	\$313,481	\$322,885	\$332,572	\$342,549	\$352,825	\$363,410	\$374,312	\$385,542	\$397,108	As Labor
62-4102 Wages Overtime	3,250	3,510	3,615	3,724	3,835	3,951	4,069	4,191	4,317	4,446	As Labor
62-4201 Wages - Part Time	38,400	41,472	42,716	43,998	45,318	46,677	48,077	49,520	51,005	52,535	As Labor
62-4202 Wages - Part Time Overtime	100	108	111	115	118	122	125	129	133	137	As Labor
62-4301 FICA Taxes	22,452	24,248	24,976	25,725	26,497	27,292	28,110	28,954	29,822	30,717	As Labor
62-4302 Dental Self Insured	5,118	5,272	5,430	5,593	5,760	5,933	6,111	6,294	6,483	6,678	As Dental & Vision Benefits
62-4304 Vision	852	878	904	931	959	988	1,017	1,048	1,079	1,112	As Dental & Vision Benefits
62-4305 Retirement Health Savings Account	4,293	4,636	4,776	4,919	5,066	5,218	5,375	5,536	5,702	5,873	As Medical Benefits
62-4306 Workers Compensation	7,710	7,864	8,021	8,182	8,346	8,512	8,683	8,856	9,033	9,214	As Worker's Compensation
62-4308 Uniforms	750	765	780	796	812	828	845	862	879	896	As Materials & Supplies
62-4309 Health Savings Account - ER Portion	2,600	2,808	2,892	2,979	3,068	3,160	3,255	3,353	3,453	3,557	As Medical Benefits
62-4310 ACWA Medical Insurance	51,790	55,933	57,611	59,340	61,120	62,953	64,842	66,787	68,791	70,855	As Medical Benefits
62-4311 Life Insurance	591	603	615	627	640	653	666	679	692	706	As Insurance
62-4313 AFLAC Administrative fee - ER Portion	25	27	28	29	30	30	31	32	33	34	As Medical Benefits
62-4314 Long Term Disability - Union	662	675	689	703	717	731	746	760	776	791	As Insurance
62-4315 CalPERS Classic ER Contribution	46,654	47,587	48,539	49,510	50,500	51,510	52,540	53,591	54,663	55,756	As OPEB
62-4325 CalPERS PEPRA ER Contribution	10,006	10,206	10,410	10,618	10,831	11,047	11,268	11,494	11,724	11,958	As OPEB
62-4330 Health Savings Account Admin Fee - ER Portion	53	57	59	61	63	64	66	68	70	73	As Medical Benefits
62-4405 Contractual Services	0	0	0	0	0	0	0	0	0	0	As Professional Services
62-4610 Gasoline Expense	4,300	4,386	4,474	4,563	4,654	4,748	4,842	4,939	5,038	5,139	As Materials & Supplies
62-4820 Office Supplies	255	255	260	265	271	276	282	287	293	299	As Materials & Supplies
62-6030 Service Contracts	2,750	2,805	2,861	2,918	2,977	3,036	3,097	3,159	3,222	3,287	As Professional Services
62-6045 Water Meters & Parts	150,000	153,000	156,060	159,181	162,365	165,612	168,924	172,303	175,749	179,264	As Equipment
62-6071 Shop Supplies	3,000	3,060	3,121	3,184	3,247	3,312	3,378	3,446	3,515	3,585	As Materials & Supplies
62-6073 Small Tools	200	204	208	212	216	221	225	230	234	239	As Equipment
62-6075 Safety Equipment - Physicals	350	357	364	371	379	386	394	402	410	418	As Equipment
62-6200 Travel - Meetings - Education	5,375	5,483	5,592	5,704	5,818	5,934	6,053	6,174	6,298	6,424	As Miscellaneous
62-6250 Dues - Memberships - Certification	2,375	2,423	2,471	2,520	2,571	2,622	2,675	2,728	2,783	2,838	As Miscellaneous
62-6310 Telephone	2,000	2,040	2,081	2,122	2,165	2,208	2,252	2,297	2,343	2,390	As Utilities
62-6520 Supplies	50	51	52	53	54	55	56	57	59	60	As Materials & Supplies
Total Inspections	\$656,216	\$694,193	\$712,602	\$731,514	\$750,944	\$770,906	\$791,417	\$812,490	\$834,142	\$856,389	

South Tahoe PUD
Water Utility
Revenue Requirement
Exhibit 2 - Revenues & Expenses

	Budget	Projected									Notes
	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2032	FY 2033	
Non Crew											
80-4510 Insurance Expense	\$308,000	\$314,160	\$320,443	\$326,852	\$333,389	\$340,057	\$346,858	\$353,795	\$360,871	\$368,089	As Insurance
80-4810 Postage Expenses	300	306	312	318	325	331	338	345	351	359	As Materials & Supplies
80-5020 Equipment Rental - Lease	0	0	0	0	0	0	0	0	0	0	As Equipment
80-6075 Safety Equipment - Physicals	500	510	520	531	541	552	563	574	586	598	As Equipment
80-6310 Telephone	25,000	25,500	26,010	26,530	27,061	27,602	28,154	28,717	29,291	29,877	As Utilities
80-6330 Electricity	1,270,000	1,295,400	1,321,308	1,347,734	1,374,689	1,402,183	1,430,226	1,458,831	1,488,007	1,517,768	As Utilities
80-6340 Water	14,000	14,280	14,566	14,857	15,154	15,457	15,766	16,082	16,403	16,731	As Utilities
80-6350 Natural Gas	35,000	35,700	36,414	37,142	37,885	38,643	39,416	40,204	41,008	41,828	As Utilities
80-6360 Propane	0	0	0	0	0	0	0	0	0	0	As Materials & Supplies
80-6370 Refuse Disposal	2,300	2,346	2,393	2,441	2,490	2,539	2,590	2,642	2,695	2,749	As Utilities
80-6380 Other Utilities	0	0	0	0	0	0	0	0	0	0	As Utilities
80-6410 Miscellaneous Corrections	0	0	0	0	0	0	0	0	0	0	As Miscellaneous
80-6520 Supplies	100	102	104	106	108	110	113	115	117	120	As Materials & Supplies
80-6635 LAFCO Administrative Costs	16,600	16,932	17,271	17,616	17,968	18,328	18,694	19,068	19,450	19,839	As Miscellaneous
80-6750 Contingency Fund	150,000	153,000	156,060	159,181	162,365	165,612	168,924	172,303	175,749	179,264	As Miscellaneous
Total Non Crew	\$1,821,800	\$1,858,236	\$1,895,401	\$1,933,309	\$1,971,975	\$2,011,414	\$2,051,643	\$2,092,676	\$2,134,529	\$2,177,220	
Total Operations & Maintenance Expense	\$12,522,729	\$14,942,108	\$14,771,502	\$13,810,006	\$14,157,351	\$14,513,778	\$14,879,532	\$15,254,865	\$15,640,038	\$16,035,316	
		19.3%	-1.1%	-6.5%	2.5%	2.5%	2.5%	2.5%	2.5%	2.5%	
Rate Revenue Designated for Capital	\$1,448,000	\$1,448,000	\$1,448,000	\$1,448,000	\$1,448,000	\$1,448,000	\$1,448,000	\$1,448,000	\$1,448,000	\$1,448,000	
Capital Funded from Rates	7,533,514	8,326,028	7,034,527	11,382,164	12,961,725	13,788,166	14,121,996	15,668,717	16,015,906	17,459,775	
Rate Funded Capital	\$8,981,514	\$9,774,028	\$8,482,527	\$12,830,164	\$14,409,725	\$15,236,166	\$15,569,996	\$17,116,717	\$17,463,906	\$18,907,775	FY 2024 Dep. Exp. = \$4,711,000
	6,086	6,878	5,587	9,934	11,514	12,340	12,674	14,221	14,568	16,012	
Debt Service											
2001, 2013, 2017, Amortization	\$9,051	\$9,051	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	Financial Plan Yes
2013 Waterline /Refunding	475,571	475,571	475,571	475,571	475,571	475,571	475,571	475,571	0	0	Financial Plan Yes
Meter Loan 1	120,198	120,198	120,198	120,198	120,198	120,198	120,198	120,198	120,199	120,199	Financial Plan Yes
Meter Loan 2	64,621	64,621	64,621	64,621	64,621	64,621	64,621	64,621	64,621	64,621	Financial Plan Yes
Meter Loan 3-5	434,772	434,772	434,772	434,772	434,772	434,772	434,772	434,772	434,772	434,772	Yes
SRF Waterline Program	155,342	155,342	155,342	155,342	155,342	155,342	155,342	155,342	155,342	155,342	Yes
SRF Keller/Heavenly Imp.	66,000	310,958	310,958	310,958	310,958	310,958	310,958	310,958	310,958	310,958	Yes
Water Line Program #2	50,000	359,010	359,010	359,010	359,010	359,010	359,010	359,010	359,010	359,010	Yes
Water Line Program #3	0	0	38,000	110,000	636,515	636,515	636,515	636,515	636,515	636,515	Yes
Water Line Program #4	0	0	0	50,000	50,000	547,302	547,302	547,302	547,302	547,302	Yes
Misc. Water Projects	0	0	179,352	179,352	179,352	179,352	179,352	179,352	179,352	179,352	Yes
Waterline Replacement Project #5	0	0	0	0	368,237	368,237	368,237	368,237	368,237	368,237	Yes
Waterline Replacement Project #6	0	0	0	0	0	424,126	424,126	424,126	424,126	424,126	Yes
Waterline Replacement Project #7	0	0	0	0	0	350,632	350,632	350,632	350,632	350,632	Yes
New Low Interest Loan	0	0	0	0	0	0	0	0	0	0	Calculated @ 2.5% for No
New Revenue Bond	0	0	0	0	0	0	0	0	0	0	Calculated @ 5% for 2No
Total Debt Service	\$1,375,555	\$1,929,523	\$2,137,824	\$2,259,824	\$3,154,576	\$4,076,003	\$4,426,635	\$3,951,064	\$3,951,065	\$3,951,065	

South Tahoe PUD
Water Utility
Revenue Requirement
Exhibit 2 - Revenues & Expenses

	Budget	Projected									Notes
	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2032	FY 2033	
		40.3%	10.8%	5.7%	39.6%	29.2%	8.6%	-10.7%	0.0%	0.0%	
To / (From) Reserves											
To / (From) Operating Reserve	\$590,960	\$937,017	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
To / (From) Capital Reserve	0	(1,000,000)	0	0	0	0	0	0	0	0	
Total Prin To / (From) Capital for Debt Principal	(941,036)	(1,453,550)	(1,550,755)	(1,577,358)	(2,043,440)	(2,456,663)	(2,660,283)	(2,248,544)	(2,306,269)	(2,365,932)	
To / (From) Rate Stabilization	0	0	0	0	0	0	0	0	0	0	
To / (From) Debt Reserve	0	0	0	0	0	0	0	0	0	0	
Total To / (From) Reserves	(\$350,076)	(\$1,516,533)	(\$1,550,755)	(\$1,577,358)	(\$2,043,440)	(\$2,456,663)	(\$2,660,283)	(\$2,248,544)	(\$2,306,269)	(\$2,365,932)	
Total Revenue Requirements	\$22,529,722	\$25,129,126	\$23,841,098	\$27,322,636	\$29,678,211	\$31,369,284	\$32,215,880	\$34,074,102	\$34,748,740	\$36,528,224	
Balance / (Deficiency) of Funds	\$0	\$1,457,445	(\$1,463,937)	(\$5,664,042)	(\$7,440,101)	(\$8,554,752)	(\$9,096,155)	(\$10,740,995)	(\$11,114,090)	(\$12,659,788)	
Rate Adjust. as a % of Rate Rev	0.0%	9.5%	9.5%	36.8%	48.4%	55.5%	59.0%	69.6%	71.9%	81.8%	
Proposed Rate Adjustment	0.0%	9.5%	9.5%	9.5%	9.5%	9.5%	9.5%	9.5%	9.5%	9.5%	
Months of Adjustment	12	12	12	12	12	12	12	12	12	12	
Add'l Rev from Proposed Adj.	\$0	\$1,457,445	\$3,056,253	\$4,810,106	\$6,733,870	\$8,844,243	\$11,156,743	\$13,700,425	\$16,492,656	\$19,556,772	
Net Bal/(Def) of Funds After Rate Adj.	\$0	\$0	\$1,592,317	(\$853,936)	(\$706,232)	\$289,491	\$2,060,588	\$2,959,431	\$5,378,566	\$6,896,984	
Additional Rate Increase Needed	0.0%	0.0%	-10.4%	5.6%	4.6%	-1.9%	-13.4%	-19.2%	-34.8%	-44.5%	
Debt Service Coverage Ratio	541,882										
Before Rate Adjustment	7.27	4.52	3.56	3.47	2.56	2.04	1.86	2.04	2.02	1.98	
After Rate Adjustment	7.27	5.28	4.99	5.60	4.70	4.21	4.38	5.51	6.20	6.93	
Average Residential Bill per Month (3/4" meter + 10 CCF)	\$66.25										
\$ Change Per Month		\$72.54	\$79.44	\$86.98	\$95.25	\$104.29	\$114.20	\$125.05	\$136.93	\$149.94	
Cumulative \$ Change per Month		6.29	6.89	7.55	8.26	9.05	9.91	10.85	11.88	13.01	
		6.29	13.19	20.73	29.00	38.04	47.95	58.80	70.68	83.69	

	Budget	Projected									Notes
	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2032	FY 2033	
Cash Reserves											
Operating Reserve											
Beginning Balance	\$2,475,203	\$3,066,163	\$4,003,180	\$5,595,497	\$4,741,561	\$4,035,330	\$4,324,821	\$6,385,408	\$9,344,839	\$14,723,406	
Plus: Additions	590,960	937,017	1,592,317	0	0	289,491	2,060,588	2,959,431	5,378,566	6,896,984	
Less: Uses of Funds	0	0	0	(853,936)	(706,232)	0	0	0	0	0	
Ending Balance	\$3,066,163	\$4,003,180	\$5,595,497	\$4,741,561	\$4,035,330	\$4,324,821	\$6,385,408	\$9,344,839	\$14,723,406	\$21,620,390	
Target Balance (90 Days O&M)	\$3,087,796	\$3,684,356	\$3,642,288	\$3,405,207	\$3,490,854	\$3,578,740	\$3,668,926	\$3,761,474	\$3,856,448	\$3,953,913	
Capital Reserve											
Beginning Balance	\$7,403,656	\$5,240,620	\$6,917,126	\$6,287,970	\$5,463,299	\$8,421,169	\$10,209,488	\$7,964,291	\$8,857,446	\$5,612,698	
Plus: Additions	0	3,346,474	525,194	146,330	4,962,622	2,759,747	0	893,155	0	1,634,377	
Less: Uses of Funds	(2,163,036)	(1,669,968)	(1,154,350)	(971,001)	(2,004,752)	(971,428)	(2,245,197)	0	(3,244,748)	0	
Ending Balance	\$5,240,620	\$6,917,126	\$6,287,970	\$5,463,299	\$8,421,169	\$10,209,488	\$7,964,291	\$8,857,446	\$5,612,698	\$7,247,075	
Target Balance: Average Annual Capital Improv.	\$12,169,190	\$12,498,000	\$12,835,000	\$13,182,000	\$13,538,000	\$13,904,000	\$14,279,000	\$14,665,000	\$15,061,000	\$15,468,000	2.7% / Yr. Growth
Rate Stabilization											
Beginning Balance	\$1,302,319	\$1,503,469	\$1,054,001	\$2,028,999	\$3,000,000	\$4,000,000	\$4,000,000	\$4,000,000	\$4,000,000	\$4,000,000	
Plus: Additions	201,150	0	974,998	971,001	1,000,000	0	0	0	0	0	
Less: Uses of Funds	0	(449,468)	0	0	0	0	0	0	0	0	
Ending Balance	\$1,503,469	\$1,054,001	\$2,028,999	\$3,000,000	\$4,000,000	\$4,000,000	\$4,000,000	\$4,000,000	\$4,000,000	\$4,000,000	
Target Balance: 15% of Rate Revenue	\$2,301,228	\$3,760,864	\$5,361,914	\$7,118,012	\$9,044,122	\$11,156,389	\$13,472,173	\$16,019,265	\$18,814,906	\$19,556,772	
Debt Reserve											
Beginning Balance	\$771,281	\$771,281	\$1,441,249	\$1,620,601	\$1,620,601	\$2,625,353	\$3,596,781	\$3,947,413	\$3,947,413	\$3,947,413	
Plus: Additions	0	669,968	179,352	0	1,004,752	971,428	350,632	0	0	0	
Less: Uses of Funds	0	0	0	0	0	0	0	0	0	0	
Ending Balance	\$771,281	\$1,441,249	\$1,620,601	\$1,620,601	\$2,625,353	\$3,596,781	\$3,947,413	\$3,947,413	\$3,947,413	\$3,947,413	
Target Balance: One Year's Debt Service	\$1,375,555	\$1,929,523	\$2,137,824	\$2,259,824	\$3,154,576	\$4,076,003	\$4,426,635	\$3,951,064	\$3,951,065	\$3,951,065	
Total Reserve Funds											
Beginning	\$9,477,256	\$7,515,370	\$9,412,376	\$9,937,570	\$10,083,900	\$15,046,522	\$17,806,269	\$15,911,704	\$16,804,859	\$13,560,111	
Ending	\$7,515,370	\$9,412,376	\$9,937,570	\$10,083,900	\$15,046,522	\$17,806,269	\$15,911,704	\$16,804,859	\$13,560,111	\$15,194,488	



South Tahoe PUD
Water Utility
Revenue Requirement
Exhibit 3 - Capital Improvement Plan
\$175m CIP less WL

	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2032	FY 2033	Notes
Engineering Staff and Expenses											
30-4101 Regular Salaries - Wages	\$1,117,378	\$1,206,391	\$1,242,583	\$1,279,861	\$1,318,256	\$1,357,804	\$1,398,538	\$1,440,494	\$1,483,709	\$1,528,220	
30-4102 Wages Overtime	37,500	40,487	41,702	42,953	44,242	45,569	46,936	48,344	49,794	51,288	
30-4103 Wages Double Time	500	540	556	573	590	608	626	645	664	684	
30-4201 Wages - Part Time	12,500	13,496	13,901	14,318	14,747	15,190	15,645	16,115	16,598	17,096	
	1,167,878	1,260,914	1,298,742	1,337,704	1,377,835	1,419,170	1,461,745	1,505,598	1,550,766	1,597,289	
30-4301 FICA Taxes	77,728	83,895	86,412	89,004	91,675	94,425	97,258	100,175	103,181	106,276	
30-4302 Dental Self Insured	13,647	14,730	15,172	15,627	16,096	16,579	17,076	17,588	18,116	18,659	
30-4304 Vision	2,271	2,451	2,525	2,600	2,678	2,759	2,842	2,927	3,015	3,105	
30-4305 Retirement Health Savings Account	16,374	17,673	18,203	18,749	19,312	19,891	20,488	21,103	21,736	22,388	
30-4306 Workers Compensation	10,199	11,008	11,338	11,679	12,029	12,390	12,762	13,144	13,539	13,945	
30-4308 Uniforms	300	324	334	344	354	364	375	387	398	410	
30-4309 Health Savings Account - ER Portion	6,850	7,394	7,615	7,844	8,079	8,321	8,571	8,828	9,093	9,366	
30-4310 ACWA Medical Insurance	157,436	169,928	175,025	180,276	185,684	191,255	196,993	202,902	208,989	215,259	
30-4311 Life Insurance	2,598	2,804	2,888	2,975	3,064	3,156	3,251	3,348	3,449	3,552	
30-4312 Long Term Disability - Management	3,979	4,295	4,424	4,556	4,693	4,834	4,979	5,128	5,282	5,440	
30-4313 AFLAC Administrative fee - ER Portion	25	27	28	29	29	30	31	32	33	34	
30-4314 Long Term Disability - Union	994	1,073	1,105	1,138	1,172	1,208	1,244	1,281	1,319	1,359	
30-4315 CalPERS Classic ER Contribution	113,606	122,620	126,299	130,087	133,990	138,010	142,150	146,415	150,807	155,331	
30-4325 CalPERS PEPRA ER Contribution	51,897	56,015	57,695	59,426	61,209	63,045	64,936	66,884	68,891	70,958	
30-4330 Health Savings Account Admin Fee - ER Portion	106	114	118	121	125	129	133	137	141	145	
Engineering Salaries and Benefits	458,010	494,350	509,181	524,456	540,190	556,396	573,087	590,280	607,989	626,228	
30-4405 Contractual Services	\$233,026	\$237,687	\$242,440	\$247,289	\$252,235	\$257,280	\$262,425	\$267,674	\$273,027	\$278,488	
30-4420 Mapping	2,500	2,550	2,601	2,653	2,706	2,760	2,815	2,872	2,929	2,988	
30-4475 Legal - Special Projects	31,000	31,620	32,252	32,897	33,555	34,227	34,911	35,609	36,321	37,048	
30-4480 Legal - Regular	2,500	2,550	2,601	2,653	2,706	2,760	2,815	2,872	2,929	2,988	
30-4610 Gasoline Expense	5,300	5,406	5,514	5,624	5,737	5,852	5,969	6,088	6,210	6,334	
30-4810 Postage Expenses	175	179	182	186	189	193	197	201	205	209	
30-4620 Diesel	0	0	0	0	0	0	0	0	0	0	
30-4630 Oil & Lubricants	0	0	0	0	0	0	0	0	0	0	
30-4820 Office Supplies	6,050	6,171	6,294	6,420	6,549	6,680	6,813	6,950	7,089	7,230	
30-4830 Subscription Expense	100	102	104	106	108	110	113	115	117	120	
30-4930 Ads-Legal Notices	125	128	130	133	135	138	141	144	146	149	
30-6027 Office Equipment Repair	1,000	1,020	1,040	1,061	1,082	1,104	1,126	1,149	1,172	1,195	
30-6030 Service Contracts	3,215	3,279	3,345	3,412	3,480	3,550	3,621	3,693	3,767	3,842	
30-6045 Water Meters & Parts	50,001	51,001	52,021	53,061	54,123	55,205	56,309	57,435	58,584	59,756	
30-6050 Wells	100,002	102,002	104,042	106,123	108,245	110,410	112,618	114,871	117,168	119,512	
30-6052 Pipe - Covers & Manholes	70,000	71,400	72,828	74,285	75,770	77,286	78,831	80,408	82,016	83,656	
30-6066 SCADA	11,000	11,220	11,444	11,673	11,907	12,145	12,388	12,636	12,888	13,146	
30-6071 Shop Supplies	2,500	2,550	2,601	2,653	2,706	2,760	2,815	2,872	2,929	2,988	
30-6075 Safety Equipment - Physicals	1,500	1,530	1,561	1,592	1,624	1,656	1,689	1,723	1,757	1,793	
30-6200 Travel - Meetings - Education	17,000	17,340	17,687	18,041	18,401	18,769	19,145	19,528	19,918	20,317	
30-6230 Tuition & Reimbursement Program	0	0	0	0	0	0	0	0	0	0	
30-6250 Dues - Memberships - Certification	8,000	8,160	8,323	8,490	8,659	8,833	9,009	9,189	9,373	9,561	
30-6310 Telephone	2,500	2,550	2,601	2,653	2,706	2,760	2,815	2,872	2,929	2,988	
30-6520 Supplies	625	638	650	663	677	690	704	718	732	747	
30-6650 Regulatory Operating Permits	3,375	3,443	3,511	3,582	3,653	3,726	3,801	3,877	3,954	4,033	
Engineering Expenses	\$551,494	\$562,524	\$573,774	\$585,250	\$596,955	\$608,894	\$621,072	\$633,493	\$646,163	\$659,086	
Engineering Staff & Expenses	\$2,177,382	\$2,317,789	\$2,381,697	\$2,447,410	\$2,514,980	\$2,584,460	\$2,655,905	\$2,729,371	\$2,804,917	\$2,882,603	

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	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2032	FY 2033	Notes
Underground Repair											
Waterline - In House Upsizing	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	
Replace Mole	0	0	9,000	0	0	10,000	0	0	12,000	0	
Replace Wacker	0	5,000	0	5,000	0	5,000	0	5,000	0	8,000	
Replace Vacuum on Vehicle #77	0	0	0	0	20,000	0	0	0	28,000	0	
Vaccum - Standby Truck #61	19,000	0	0	0	0	0	19,000	0	0	0	
Value Exercise Equipment	15,000	0	0	0	18,000	0	0	0	20,000	0	
Line Locator	0	6,500	0	0	6,500	0	0	6,500	0	0	
Line Locator	0	6,500	0	0	6,500	0	0	6,500	0	0	
Leak Listening Device	8,000	8,000	0	0	0	24,000	0	0	0	0	
Total Underground Repair	\$142,000	\$126,000	\$109,000	\$105,000	\$151,000	\$139,000	\$119,000	\$118,000	\$160,000	\$108,000	
Pumps											
Security Measures	\$26,500	\$5,000	\$0	\$5,000	\$0	\$0	\$0	\$0	\$0	\$0	
Replace Arrowhead Well Media	150,000	0	0	14,000	0	0	0	0	180,000	0	
Pump Rebuilds	0	50,000	50,000	50,000	50,000	50,000	50,000	50,000	0	0	
PRV Flagpole Booster	50,000	0	0	0	0	0	0	0	0	0	
Tank Cleaning	0	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	
New Pump/Motor Boulder Mtn Booster #2	0	17,000	0	0	0	0	0	0	0	0	
Replace Flowmeters	0	0	0	0	0	0	0	0	0	0	
Filter Plant Pump #2	6,000	0	0	0	0	0	0	0	0	0	
New Pump/Motor for Keller Booster #1	0	0	0	18,000	0	0	0	0	0	0	
New Pump/Motor for Keller Booster #2	0	18,000	0	0	0	0	0	0	0	0	
Sunset Well - New Pump/Motor and Rehab	0	0	0	100,000	0	0	0	0	0	0	
S.U.T. Spare Blower Unit	12,000	0	0	0	0	0	0	0	0	0	
Replace Boulder Mtn. Booster #1 Pump	15,000	0	0	0	0	0	0	0	0	0	
Flagpole Tank #2 Mixer System	11,000	0	0	0	0	0	0	0	0	0	
Forest Mtn. Tank Mixer System	11,000	0	0	0	0	0	0	0	0	0	
Iroquois Tank #1 Mixer System	11,000	0	0	0	0	0	0	0	0	0	
Iroquois Tank #2 Mixer System	11,000	0	0	0	0	0	0	0	0	0	
Replace Elk Club Well Pump/Motor	80,000	0	0	0	0	0	0	0	0	0	
S.U.T. Epoxy Coated Pipe	25,000	0	0	0	0	0	0	0	0	0	
Flagpole Booster Flow Control Valve	12,000	0	0	0	0	0	0	0	0	0	
Total Pumps	\$420,500	\$100,000	\$60,000	\$197,000	\$60,000	\$60,000	\$60,000	\$60,000	\$190,000	\$10,000	
Electric											
Misc. Motor Rebuilds, Water	\$65,000	\$65,000	\$65,000	\$65,000	\$65,000	\$65,000	\$65,000	\$65,000	\$65,000	\$65,000	
VFD, Pressure Transmitter, Enclosure for Sunset	0	9,000	0	0	0	0	0	0	0	0	
Pump Station PLCs	5,000	0	0	5,000	0	5,000	0	0	5,000	0	
VFD Replacement	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	
Fluke Digital Oscilloscope	5,100	0	0	0	0	0	0	0	0	0	
Total Electric	\$90,100	\$89,000	\$80,000	\$85,000	\$80,000	\$85,000	\$80,000	\$80,000	\$85,000	\$80,000	

South Tahoe PUD
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	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2032	FY 2033	Notes
Heavy Maintenance											
Admin Parking Lot Seal Coat and Restripe	\$0	\$0	\$0	\$10,000	\$0	\$10,000	\$0	\$10,000	\$0	\$0	
HVAC Software Upgrade	20,000	0	0	0	0	0	0	0	0	0	
Total Heavy Maintenance	\$20,000	\$0	\$0	\$10,000	\$0	\$10,000	\$0	\$10,000	\$0	\$0	
Equipment Repair											
Replace Generator Sets	\$0	\$0	\$0	\$0	\$0	\$50,000	\$0	\$0	\$0	\$0	
Replace Engine/Transmission	7,400	7,600	0	7,800	0	8,000	0	0	0	0	
Replace Engine/Transmission	10,000	0	0	0	0	0	0	0	0	0	
Replace Water Service Truck #77	50,000	0	0	0	0	0	0	0	0	0	
Replace U/R Truck #32	0	0	45,000	0	0	0	0	0	0	0	
Replace U/R Flatbed Truck #43	0	40,000	0	0	0	0	0	0	0	0	
Replace U/R Truck #25	0	0	0	0	0	70,000	0	0	0	0	
Replace U/R Truck #34	0	0	0	0	0	70,000	0	0	0	0	
Replace U/R Loader #22, #55	0	185,000	0	0	0	0	0	0	0	0	
Replace U/R Backhoe #48	130,000	0	0	0	0	0	0	0	0	0	
Replace Equipment Repair Truck #33	15,000	0	0	0	0	0	0	0	0	0	
Replace Lab Truck #37	0	0	0	0	0	30,000	0	0	0	0	
Replace Inspection Truck #64	0	0	35,000	0	0	0	0	0	0	0	
Replace Purchasing Vehicle #5	0	35,000	0	0	0	0	0	0	0	0	
Total Equipment Repair	\$212,400	\$267,600	\$80,000	\$7,800	\$0	\$228,000	\$0	\$0	\$0	\$0	
Laboratory											
Replace Autoclave Small	\$0	\$10,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
Replace PH Meter	0	0	0	0	5,000	0	0	0	0	0	
Replace Autoclave Large	0	0	0	0	0	0	10,000	0	0	0	
Replace 20 Liter Water Bath	5,000	0	0	0	0	5,000	0	0	0	0	
LIMS Software Upgrade	35,000	0	0	0	0	35,000	0	0	0	0	
Replace Block Digester For Metals and Total Ph	0	0	0	0	0	0	5,000	0	0	0	
Replace 18-MOHM Water System	0	0	0	0	10,000	0	0	0	0	0	
Replace Sterilizing Oven	0	0	0	0	0	0	0	0	0	0	
Replace Turbidimeter	0	0	0	5,000	0	0	0	0	0	0	
Total Laboratory	\$40,000	\$10,000	\$0	\$5,000	\$15,000	\$40,000	\$15,000	\$0	\$0	\$0	
Water Board of Directors											
Replace Boardroom Components	0	\$0	\$75,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
Repalce Boardroom AV	0	5,000	0	0	0	0	0	0	0	0	
Total Water Board of Directors	\$0	\$5,000	\$75,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
Public Affairs/Water Conservation											
Water Conservation Office Remodel	\$10,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
Website Redesign	50,000	0	0	0	0	0	0	0	0	0	
Total Public Affairs/Water Conservation	\$60,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	

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	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2032	FY 2033	Notes
Engineering											
Water Repair Unplanned Repairs	\$500,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
Heavenly Tank Coating/Improvements	132,000	0	0	0	0	0	0	0	0	0	
Keller-Heavenly Zone Improvements (3)	1,068,000	0	0	0	0	0	0	0	0	0	
Meters - Cleanup	0	707,000	0	0	0	0	0	0	0	0	
Cathodic Protection On Water Services (Phase 1)	54,000	516,000	0	0	0	0	0	0	0	0	
Valve And Fire Hydrant Replacements	360,000	371,000	382,000	393,000	405,000	417,000	430,000	442,000	456,000	469,000	
Ami Tower Replacement	0	29,000	60,000	62,000	32,000	0	0	0	0	0	
Future Hydrants	0	0	359,000	739,000	0	0	0	0	0	0	
Black Bart #1 And #2 Waterline	2,669,000	0	0	0	0	0	0	0	0	0	
Glenwood Rancho Waterline	0	0	0	1,634,000	3,365,000	0	0	0	0	0	
Herbert Walkup Waterline	1,389,000	2,649,000	0	0	0	0	0	0	0	0	
Ltb Waterline	0	1,008,000	2,077,000	0	0	0	0	0	0	0	
Angora Creek Waterline	0	0	0	0	0	0	1,503,000	3,058,000	0	0	
Clearview Mt Meadow Waterline	0	0	0	0	0	0	0	1,381,000	2,805,000	0	
Tahoe Mtn WI	0	0	0	0	660,000	1,322,000	0	0	0	0	
Park Ave #1 WI	0	0	292,000	601,000	0	0	0	0	0	0	
Apache Avenue Waterline Improvements	0	557,000	0	0	0	0	0	0	0	0	
Bijou #1 Waterline	0	0	757,000	1,559,000	0	0	0	0	0	0	
Gardner Mountain #2 Waterline	0	0	0	564,000	1,162,000	0	0	0	0	0	
Gardner Mountain #4 Waterline	0	0	0	573,000	1,180,000	0	0	0	0	0	
Wildwood #3 Waterline	0	0	0	0	730,000	1,504,000	0	0	0	0	
Wildwood #5 (+Prv) Waterline	0	0	0	0	586,000	1,208,000	0	0	0	0	
Sierra Tract #2 Waterline	0	0	0	0	0	773,000	1,592,000	0	0	0	
Sierra Tract Project M Waterline	0	0	0	0	0	1,220,000	2,513,000	0	0	0	
Palmira Waterline Replacement	0	0	0	0	0	233,000	479,000	0	0	0	
Bijou #4	0	0	0	0	0	1,385,000	2,852,000	0	0	0	
Wildwood #2	0	0	0	0	0	0	747,000	1,538,000	0	0	
Meyers #1	0	0	0	0	142,000	293,000	0	0	0	0	
Wildwood #1	0	0	0	0	0	0	730,000	1,504,000	0	0	
Gardner Mtn #3	0	0	0	0	0	0	0	0	790,000	1,626,000	
Gardner Mtn #1	0	0	0	0	0	0	0	0	737,000	1,518,000	
Pioneer Tr WI Impr. Larch To Ski Run	0	261,000	0	0	0	0	0	0	0	0	
Sierra Tract #5	0	0	0	0	0	0	0	796,000	1,640,000	0	
Sierra Tract #4	0	0	0	0	0	0	0	939,000	1,934,000	0	
Sierra Tract #1	0	0	0	0	0	0	0	1,103,000	2,271,000	0	
Pioneer Village Waterline	0	0	0	0	0	0	0	0	907,000	1,868,000	
Nottaway Acoma Waterline	0	0	0	0	0	0	0	0	0	991,000	
Pioneer Trail Waterline - Golden Bear To Pine Va	0	0	1,746,000	3,596,000	0	0	0	0	0	0	

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	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2032	FY 2033	Notes
Replace Pt/Marshall And Pt/Kokanee Prv	0	0	213,000	438,000	0	0	0	0	0	0	
New Prv At Washoan-Nadowa	247,000	0	0	0	0	0	0	0	0	0	
New Prv At Jicarilla/Pt (Susquehanna Zone)	0	0	205,000	422,000	0	0	0	0	0	0	
Regina/Donner Waterline (+Np#5 Prv)	22,000	41,000	84,000	0	0	0	0	0	0	0	
Replace Needle Peak #5 Prv	11,000	118,000	242,000	0	0	0	0	0	0	0	
Field Communication Upgrades Phase 3	160,000	0	0	0	0	0	0	0	0	0	
Upper Montgomery/Cold Creek Booster	0	116,000	0	513,000	1,057,000	0	0	0	0	0	
H Street Zone Booster, Fire Pump	0	116,000	0	423,000	872,000	0	0	0	0	0	
Al Tahoe Well Rehab	229,000	0	341,000	702,000	0	0	0	0	0	0	
Al Tahoe/Bayview Backup Power	266,000	635,000	1,307,000	0	0	0	0	0	0	0	
Tata Booster Station And Tank Replacement	0	0	0	0	0	0	0	0	1,347,000	2,774,000	
David Lane Booster Improvements, Gen Connecr	0	0	0	0	487,000	1,002,000	0	0	0	0	
Flagpole Zone	0	0	0	0	0	0	0	378,000	777,000	0	
Lower Cold Creek Booster Electrical Improvem	0	0	0	0	0	0	0	0	0	538,000	
Bakersfield Pump/Motor Replacement & Mw Ins	383,000	0	0	0	0	0	0	0	0	0	
Airport Well Treatment And Electrical Replacem	0	0	0	0	0	0	0	0	0	3,315,000	
Sut Well Motor And Casing	150,000	0	0	0	0	0	0	0	0	0	
Glenwood Well Casing Rehab	0	531,000	0	0	0	0	0	0	0	0	
Water Booster Station And Well Monitoring	0	0	523,000	539,000	131,000	135,000	139,000	143,000	147,000	152,000	
Water Eff Improv.	0	0	0	0	364,000	750,000	0	0	0	0	
Water Loss Tracking (Dmas)	0	0	0	662,000	1,362,000	0	0	0	0	0	
Tank Coatings (Stateline No. 1)	0	0	244,000	503,000	0	0	0	0	0	0	
Tank Coatings (Gardner No. 1)	0	0	0	128,000	263,000	0	0	0	0	0	
Tank Coatings (Stateline No. 2)	0	294,000	605,000	0	0	0	0	0	0	0	
Tank Coatings (Flagpole No. 2)	172,000	0	0	0	0	0	0	0	0	0	
Tank Coatings (Arrowhead)	0	0	0	0	235,000	483,000	0	0	0	0	
Tank Coatings (Iroquois No. 1)	0	0	0	0	0	143,000	294,000	0	0	0	
Tank Coatings (Angora)	0	0	0	0	0	0	146,000	299,000	0	0	
Tank Coatings (Echo View)	37,000	0	0	0	0	0	0	143,000	295,000	0	
Tank Coatings (Forest Mountain)	0	0	0	0	0	0	0	0	151,000	310,000	
Tank Coatings (Country Club)	0	0	0	0	0	0	0	0	0	165,000	
Tank Coatings (Iroquois No. 2)	156,000	0	0	0	0	0	0	0	0	0	
Tank Coatings (Gardner No. 2)	37,000	0	0	0	0	0	0	0	0	0	
Tanks Asset Management Program	0	60,000	138,000	105,000	106,000	112,000	72,000	118,000	122,000	125,000	
Lookout Tank Access Road	319,000	0	0	0	0	0	0	0	0	0	
Total Engineering	\$8,361,000	\$8,009,000	\$9,575,000	\$14,156,000	\$13,139,000	\$10,980,000	\$11,497,000	\$11,842,000	\$14,379,000	\$13,851,000	

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	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2032	FY 2033	Notes
Information Technology											
Firewall Software /Upgrades	\$0	\$25,000	\$0	\$0	\$25,000	\$0	\$0	\$25,000	\$0	\$0	
Software (New, Upgrades, Compliance)	0	8,000	8,000	8,000	8,000	8,000	8,000	8,000	8,000	8,000	
SQL Additional Licenses	7,000	0	0	7,000	0	0	7,000	0	0	0	
Storage System (SAN)/Additions	150,000	0	0	0	0	125,000	0	0	0	0	
Database Software/Upgrades	15,000	0	0	0	8,000	0	0	0	8,000	0	
Replace Fiber WAN - Shops	0	10,000	0	0	0	0	0	10,000	0	0	
Network Improvements	20,000	0	20,000	0	20,000	0	20,000	0	20,000	0	
Wireless Controller/Access Point	0	0	10,000	0	0	0	10,000	0	0	0	
Backup/Disaster Recovery Appliance	15,000	0	0	0	15,000	0	0	0	0	0	
Replace Water Hydraulic Modeling Software	0	15,000	0	0	15,000	0	0	15,000	0	0	
Stratigic Plan Implementation/Update	0	20,000	0	0	0	0	0	0	0	0	
Laserfische Upgrade	15,000	0	25,000	10,000	0	0	0	10,000	0	0	
Replace Domain Controller Server	0	10,000	0	0	0	10,000	0	0	0	0	
Core Switch - Server Room	0	0	25,000	0	0	0	25,000	0	0	0	
Replace SCADA Historian Server	0	0	10,000	0	0	0	10,000	0	0	0	
SCADA Server 2	0	20,000	0	0	0	20,000	0	0	0	0	
Backup Power Server Room	11,000	0	8,000	0	11,000	0	8,000	0	11,000	0	
Virtual Host	20,000	0	20,000	0	20,000	0	20,000	0	20,000	0	
Tokay Software Update	0	0	6,500	0	0	0	0	6,500	0	0	
Software Upgrades, Misc	8,000	0	0	0	0	0	0	0	0	0	
Access Control/Surveillance	0	50,000	0	50,000	0	50,000	0	50,000	100,000	50,000	
Total Information Technology	\$261,000	\$158,000	\$132,500	\$75,000	\$122,000	\$213,000	\$108,000	\$124,500	\$167,000	\$50,000	
Water Inspections											
Replace Digital Locating Equipment	\$0	\$0	\$0	\$0	\$0	\$7,500	\$0	\$0	\$0	\$0	
Meter Tester	0	0	0	0	0	10,000	0	0	0	0	
Total Water Inspections	\$0	\$0	\$0	\$0	\$0	\$17,500	\$0	\$0	\$0	\$0	
Water Purchasing											
Replace Carpet/Flooring in Admin Building	\$0	\$0	\$0	\$35,000	\$0	\$0	\$0	\$0	\$0	\$0	
Total Water Purchasing	\$0	\$0	\$0	\$35,000	\$0	\$0	\$0	\$0	\$0	\$0	
Total Capital Projects & Engineering	\$9,607,000	\$8,764,600	\$10,111,500	\$14,675,800	\$13,567,000	\$11,772,500	\$11,879,000	\$12,234,500	\$14,981,000	\$14,099,000	
Future Unidentified Capital Projects	\$6,893,476	\$495,351	(\$147,379)	\$2,520,506	\$2,217,922	\$3,516,036	\$2,126,614	\$2,423,387	\$970,708	(\$1,719,897)	
Debt Service (Principal)	\$941,036	\$1,453,550	\$1,550,755	\$1,577,358	\$2,043,440	\$2,456,663	\$2,660,283	\$2,248,544	\$2,306,269	\$2,365,932	
Transfer to Capital Reserve	\$0	\$2,897,006	\$525,194	\$146,330	\$4,962,622	\$2,759,747	\$0	\$893,155	\$0	\$1,634,377	
Total Capital Improvement Projects	\$19,618,894	\$15,928,296	\$14,421,767	\$21,367,404	\$25,305,965	\$23,089,406	\$19,321,801	\$20,528,957	\$21,062,894	\$19,262,015	3
Less: Outside Funding Sources											
Operating Reserve	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
Capital Reserve	1,961,886	0	0	0	0	0	1,894,565	0	3,244,748	0	
Rate Stabilization Fund	0	0	0	0	0	0	0	0	0	0	
Capacity/Connection Fees	354,240	354,240	354,240	354,240	354,240	354,240	354,240	354,240	354,240	354,240	
Grant Income	0	0	0	0	0	0	0	0	0	0	
Assumed Debt Issuance / Proceeds	8,321,254	5,800,028	5,585,000	8,183,000	10,542,000	7,499,000	1,503,000	3,058,000	0	0	
Low Interest Loans	0	0	0	0	0	0	0	0	0	0	
Revenue Bonds	0	0	0	0	0	0	0	0	0	0	0
Total Funding Sources	\$10,637,380	\$6,154,268	\$5,939,240	\$8,537,240	\$10,896,240	\$7,853,240	\$3,751,805	\$3,412,240	\$3,598,988	\$354,240	
Rate Funded Capital	\$8,981,514	\$9,774,028	\$8,482,527	\$12,830,164	\$14,409,725	\$15,236,166	\$15,569,996	\$17,116,717	\$17,463,906	\$18,907,775	

South Tahoe PUD
Water Utility
Revenue Requirement
Exhibit 4 - Debt Service

Payment Date	Fiscal Year	2001, 2013, 2017, Amortization			2013 Waterline /Refunding			Meter Loan 1			Meter Loan 2		
		Principal	Interest	Total	Principal	Interest	Total	Principal	Interest	Total	Principal	Interest	Total
2021/22	FY 2022		9,051	9,051	390,343	85,228	475,571	120,198	0	120,198	50,127	14,494	64,621
2022/23	FY 2023		9,051	9,051	399,254	76,317	475,571	120,198	0	120,198	50,929	13,692	64,621
2023/24	FY 2024		9,051	9,051	408,369	67,202	475,571	120,198	0	120,198	51,744	12,877	64,621
2024/25	FY 2025		9,051	9,051	417,692	57,880	475,571	120,198	0	120,198	52,572	12,049	64,621
2025/26	FY 2026				427,227	48,344	475,571	120,198	0	120,198	53,413	11,208	64,621
2026/27	FY 2027				436,980	38,591	475,571	120,198	0	120,198	54,268	10,353	64,621
2027/28	FY 2028				446,956	28,616	475,571	120,198	0	120,198	55,136	9,485	64,621
2028/29	FY 2029				457,159	18,412	475,571	120,198	0	120,198	56,018	8,603	64,621
2029/30	FY 2030				467,596	7,976	475,571	120,198	0	120,198	56,915	7,706	64,621
2030/31	FY 2031							120,198	0	120,198	57,825	6,796	64,621
2031/32	FY 2032							120,199	0	120,199	58,750	5,871	64,621
2032/33	FY 2033							120,199	0	120,199	59,690	4,931	64,621
2033/34	FY 2034							120,199	0	120,199	60,645	3,975	64,621
2034/35	FY 2035							120,199	0	120,199	61,616	3,005	64,621
2035/36	FY 2036							120,199	0	120,199	62,602	2,019	64,621
2036/37	FY 2037							120,199	0	120,199	63,603	1,018	64,621
2037/38	FY 2038							120,199	0	120,199			
2038/39	FY 2039							120,199	0	120,199			
2039/40	FY 2040							120,199	0	120,199			
2040/41	FY 2041							120,199	0	120,199			
2041/42	FY 2042							120,199	0	120,199			
2042/43	FY 2043							120,199	0	120,199			
2043/44	FY 2044							120,199	0	120,199			
2044/45	FY 2045							120,199	0	120,199			
2045/46	FY 2046												
2046/47	FY 2047												
2047/48	FY 2048												
2048/49	FY 2049												
2049/50	FY 2050												
2050/51	FY 2051												
2051/52	FY 2052												
2052/53	FY 2053												
2053/54	FY 2054												
2054/55	FY 2055												
2055/56	FY 2056												
2056/57	FY 2057												
2057/58	FY 2058												
Total		\$0	\$36,204	\$36,204	\$3,851,576	\$428,567	\$4,280,143	\$2,884,766	\$0	\$2,884,766	\$905,855	\$128,080	\$1,033,935

Notes

South Tahoe PUD
Water Utility
Revenue Requirement
Exhibit 4 - Debt Service

Payment Date	Fiscal Year	<i>Meter Loan 3-5</i>			<i>SRF Waterline Program</i>			<i>SRF Keller/Heavenly Imp.</i>			<i>Water Line Program #2</i>		
		Principal	Interest	Total	Principal	Interest	Total	Principal	Interest	Total	Principal	Interest	Total
2021/22	FY 2022	254,582	180,190	434,772	93,683	61,659	155,342		50,000	50,000			
2022/23	FY 2023	259,165	175,607	434,772	95,275	60,066	155,342		75,000	75,000		112,000	112,000
2023/24	FY 2024	263,830	170,942	434,772	96,895	58,447	155,342	0	66,000	66,000		50,000	50,000
2024/25	FY 2025	268,579	166,193	434,772	98,542	56,800	155,342	244,958	66,000	310,958	251,010	108,000	359,010
2025/26	FY 2026	273,413	161,359	434,772	100,218	55,124	155,342	247,897	63,061	310,958	254,022	104,988	359,010
2026/27	FY 2027	278,334	156,437	434,772	101,921	53,421	155,342	250,872	60,086	310,958	257,071	101,940	359,010
2027/28	FY 2028	283,344	151,427	434,772	103,654	51,688	155,342	253,882	57,075	310,958	260,156	98,855	359,010
2028/29	FY 2029	288,445	146,327	434,772	105,416	49,926	155,342	256,929	54,029	310,958	263,277	95,733	359,010
2029/30	FY 2030	293,637	141,135	434,772	107,208	48,134	155,342	260,012	50,946	310,958	266,437	92,574	359,010
2030/31	FY 2031	298,922	135,850	434,772	109,031	46,311	155,342	263,132	47,825	310,958	269,634	89,376	359,010
2031/32	FY 2032	304,303	130,469	434,772	110,884	44,458	155,342	266,290	44,668	310,958	272,870	86,141	359,010
2032/33	FY 2033	309,780	124,992	434,772	112,769	42,573	155,342	269,485	41,472	310,958	276,144	82,866	359,010
2033/34	FY 2034	315,356	119,416	434,772	114,686	40,656	155,342	272,719	38,239	310,958	279,458	79,553	359,010
2034/35	FY 2035	321,033	113,739	434,772	116,636	38,706	155,342	275,992	34,966	310,958	282,811	76,199	359,010
2035/36	FY 2036	326,811	107,961	434,772	118,619	36,723	155,342	279,304	31,654	310,958	286,205	72,805	359,010
2036/37	FY 2037	332,694	102,078	434,772	120,635	34,707	155,342	282,655	28,302	310,958	289,639	69,371	359,010
2037/38	FY 2038	338,682	96,090	434,772	122,686	32,656	155,342	286,047	24,910	310,958	293,115	65,895	359,010
2038/39	FY 2039	344,779	89,993	434,772	124,772	30,570	155,342	289,480	21,478	310,958	296,632	62,378	359,010
2039/40	FY 2040	350,985	83,787	434,772	126,893	28,449	155,342	292,953	18,004	310,958	300,192	58,818	359,010
2040/41	FY 2041	357,302	77,470	434,772	129,050	26,292	155,342	296,469	14,489	310,958	303,794	55,216	359,010
2041/42	FY 2042	363,734	71,038	434,772	131,244	24,098	155,342	300,027	10,931	310,958	307,440	51,570	359,010
2042/43	FY 2043	370,281	64,491	434,772	133,475	21,867	155,342	303,627	7,331	310,958	311,129	47,881	359,010
2043/44	FY 2044	376,946	57,826	434,772	135,744	19,598	155,342	307,270	3,687	310,958	314,863	44,148	359,010
2044/45	FY 2045	383,731	51,041	434,772	138,052	17,290	155,342			0	318,641	40,369	359,010
2045/46	FY 2046	390,638	44,134	434,772	140,399	14,943	155,342			0	322,465	36,546	359,010
2046/47	FY 2047	397,670	37,102	434,772	142,785	12,556	155,342			0	326,334	32,676	359,010
2047/48	FY 2048	404,828	29,944	434,772	145,213	10,129	155,342			0	330,250	28,760	359,010
2048/49	FY 2049	412,115	22,657	434,772	147,681	7,661	155,342			0	334,213	24,797	359,010
2049/50	FY 2050	419,533	15,239	434,772	150,192	5,150	155,342			0	338,224	20,786	359,010
2050/51	FY 2051	427,084	7,688	434,772	152,745	2,597	155,342			0	342,283	16,728	359,010
2051/52	FY 2052										346,390	12,620	
2052/53	FY 2053										350,547	8,464	
2053/54	FY 2054										354,753	4,257	
2054/55	FY 2055												
2055/56	FY 2056												
2056/57	FY 2057												
2057/58	FY 2058												
Total		\$10,010,534	\$3,032,621	\$13,043,155	\$3,627,005	\$1,033,254	\$4,660,259	\$5,500,000	\$910,152	\$6,410,152	\$9,000,000	\$1,932,308	\$9,855,278

Notes

South Tahoe PUD
Water Utility
Revenue Requirement
Exhibit 4 - Debt Service

Payment Date	Fiscal Year	Water Line Program #3			Water Line Program #4			Misc. Water Projects			Waterline Replacement Project #5		
		Principal	Interest	Total	Principal	Interest	Total	Principal	Interest	Total	Principal	Interest	Total
2021/22	FY 2022												
2022/23	FY 2023												
2023/24	FY 2024												
2024/25	FY 2025												
2025/26	FY 2026		38,000	38,000				74,367	104,985	179,352			
2026/27	FY 2027		110,000	110,000		50,000	50,000	77,714	101,638	179,352			
2027/28	FY 2028	286,217	350,298	636,515		50,000	50,000	81,211	98,141	179,352	152,687	215,550	368,237
2028/29	FY 2029	293,945	342,570	636,515	194,992	352,310	547,302	84,865	94,487	179,352	159,558	208,679	368,237
2029/30	FY 2030	301,881	334,634	636,515	201,817	345,485	547,302	88,684	90,668	179,352	166,738	201,499	368,237
2030/31	FY 2031	310,032	326,483	636,515	208,880	338,422	547,302	92,675	86,677	179,352	174,241	193,996	368,237
2031/32	FY 2032	318,403	318,112	636,515	216,191	331,111	547,302	96,845	82,507	179,352	182,082	186,155	368,237
2032/33	FY 2033	327,000	309,515	636,515	223,758	323,544	547,302	101,203	78,149	179,352	190,275	177,961	368,237
2033/34	FY 2034	335,829	300,686	636,515	231,589	315,713	547,302	105,757	73,595	179,352	198,838	169,399	368,237
2034/35	FY 2035	344,896	291,619	636,515	239,695	307,607	547,302	110,516	68,836	179,352	207,786	160,451	368,237
2035/36	FY 2036	354,208	282,307	636,515	248,084	299,218	547,302	115,490	63,862	179,352	217,136	151,101	368,237
2036/37	FY 2037	363,772	272,743	636,515	256,767	290,535	547,302	120,687	58,665	179,352	226,907	141,330	368,237
2037/38	FY 2038	373,594	262,921	636,515	265,754	281,548	547,302	126,118	53,234	179,352	237,118	131,119	368,237
2038/39	FY 2039	383,681	252,834	636,515	275,055	272,247	547,302	131,793	47,559	179,352	247,788	120,449	368,237
2039/40	FY 2040	394,040	242,475	636,515	284,682	262,620	547,302	137,724	41,628	179,352	258,939	109,298	368,237
2040/41	FY 2041	404,679	231,836	636,515	294,646	252,656	547,302	143,921	35,431	179,352	270,591	97,646	368,237
2041/42	FY 2042	415,606	220,909	636,515	304,959	242,343	547,302	150,398	28,954	179,352	282,767	85,469	368,237
2042/43	FY 2043	426,827	209,688	636,515	315,632	231,670	547,302	157,166	22,186	179,352	295,492	72,745	368,237
2043/44	FY 2044	438,351	198,164	636,515	326,679	220,623	547,302	164,238	15,114	179,352	308,789	59,448	368,237
2044/45	FY 2045	450,187	186,328	636,515	338,113	209,189	547,302	171,629	7,723	179,352	322,685	45,552	368,237
2045/46	FY 2046	462,342	174,173	636,515	349,947	197,355	547,302				337,205	31,031	368,237
2046/47	FY 2047	474,825	161,690	636,515	362,195	185,107	547,302				352,380	15,857	368,237
2047/48	FY 2048	487,645	148,869	636,515	374,872	172,430	547,302						
2048/49	FY 2049	500,812	135,703	636,515	387,993	159,309	547,302						
2049/50	FY 2050	514,334	122,181	636,515	401,572	145,730	547,302						
2050/51	FY 2051	528,221	108,294	636,515	415,627	131,674	547,302						
2051/52	FY 2052	542,483	94,032		430,174	117,128							
2052/53	FY 2053	557,130	79,385		445,230	102,071							
2053/54	FY 2054	572,172	64,343		460,813	86,488							
2054/55	FY 2055	587,621	48,894		476,942	70,360							
2055/56	FY 2056	603,487	33,028		493,635	53,667							
2056/57	FY 2057	619,781	16,734		510,912	36,390							
2057/58	FY 2058				528,794	18,508							
Total		\$12,974,000	\$6,269,447	\$15,424,357	\$10,066,000	\$6,453,055	\$12,687,942	\$2,333,000	\$1,254,041	\$3,587,041	\$4,790,000	\$2,574,735	\$7,364,735

Notes

South Tahoe PUD
Water Utility
Revenue Requirement
Exhibit 4 - Debt Service

Payment Date	Fiscal Year	Waterline Replacement Project #6			Waterline Replacement Project #7			Total		
		Principal	Interest	Total	Principal	Interest	Total	Total Principal	Total Interest	Fiscal Year Total
2021/22	FY 2022							\$908,934	400,621	\$1,309,555
2022/23	FY 2023							\$924,822	521,733	\$1,446,555
2023/24	FY 2024							\$941,036	434,519	\$1,375,555
2024/25	FY 2025							\$1,453,550	475,973	\$1,929,523
2025/26	FY 2026							\$1,550,755	587,069	\$2,137,824
2026/27	FY 2027							\$1,577,358	682,466	\$2,259,824
2027/28	FY 2028							\$2,043,440	1,111,135	\$3,154,576
2028/29	FY 2029	175,861	248,265	424,126				\$2,456,663	1,619,341	\$4,076,003
2029/30	FY 2030	183,774	240,351	424,126	145,387	205,245	350,632	\$2,660,283	1,766,352	\$4,426,635
2030/31	FY 2031	192,044	232,081	424,126	151,930	198,703	350,632	\$2,248,544	1,702,520	\$3,951,064
2031/32	FY 2032	200,686	223,439	424,126	158,766	191,866	350,632	\$2,306,269	1,644,796	\$3,951,065
2032/33	FY 2033	209,717	214,409	424,126	165,911	184,721	350,632	\$2,365,932	1,585,133	\$3,951,065
2033/34	FY 2034	219,154	204,971	424,126	173,377	177,255	350,632	\$2,427,608	1,523,457	\$3,951,065
2034/35	FY 2035	229,016	195,109	424,126	181,179	169,453	350,632	\$2,491,374	1,459,690	\$3,951,065
2035/36	FY 2036	239,322	184,804	424,126	189,332	161,300	350,632	\$2,557,311	1,393,754	\$3,951,065
2036/37	FY 2037	250,092	174,034	424,126	197,852	152,780	350,632	\$2,625,502	1,325,563	\$3,951,065
2037/38	FY 2038	261,346	162,780	424,126	206,755	143,877	350,632	\$2,631,414	1,255,030	\$3,886,444
2038/39	FY 2039	273,106	151,019	424,126	216,059	134,573	350,632	\$2,703,344	1,183,100	\$3,886,444
2039/40	FY 2040	285,396	138,730	424,126	225,782	124,850	350,632	\$2,777,784	1,108,660	\$3,886,444
2040/41	FY 2041	298,239	125,887	424,126	235,942	114,690	350,632	\$2,854,833	1,031,611	\$3,886,444
2041/42	FY 2042	311,660	112,466	424,126	246,559	104,073	350,632	\$2,934,591	951,853	\$3,886,444
2042/43	FY 2043	325,684	98,441	424,126	257,654	92,978	350,632	\$3,017,167	869,277	\$3,886,444
2043/44	FY 2044	340,340	83,786	424,126	269,249	81,383	350,632	\$3,102,669	783,775	\$3,886,444
2044/45	FY 2045	355,655	68,470	424,126	281,365	69,267	350,632	\$2,880,257	695,230	\$3,575,486
2045/46	FY 2046	371,660	52,466	424,126	294,027	56,606	350,632	\$2,668,682	607,253	\$3,275,935
2046/47	FY 2047	388,385	35,741	424,126	307,258	43,374	350,632	\$2,751,832	524,103	\$3,275,935
2047/48	FY 2048	405,862	18,264	424,126	321,084	29,548	350,632	\$2,469,755	437,944	\$2,907,699
2048/49	FY 2049				335,533	15,099	350,632	\$2,118,347	365,226	\$2,483,573
2049/50	FY 2050							\$1,823,855	309,086	\$2,132,941
2050/51	FY 2051							\$1,865,960	266,980	\$2,132,941
2051/52	FY 2052							\$1,319,047	223,780	\$1,542,827
2052/53	FY 2053							\$1,352,907	189,920	\$1,542,827
2053/54	FY 2054							\$1,387,739	155,088	\$1,542,827
2054/55	FY 2055							\$1,064,563	119,254	\$1,183,817
2055/56	FY 2056							\$1,097,122	86,695	\$1,183,817
2056/57	FY 2057							\$1,130,693	53,124	\$1,183,817
2057/58	FY 2058							\$528,794	18,508	\$547,302
Total		\$5,517,000	\$2,965,514	\$8,482,514	\$4,561,000	\$2,451,642	\$7,012,642	\$76,020,735	\$29,469,619	\$105,490,354

Notes

South Tahoe PUD
Water Utility
Revenue Requirement
Exhibit 5 - Revenue at Present Rates

		Effective													
		July. 1 2023	9/1/2022	10/1/2022	11/1/2022	12/1/2022	1/1/2023	2/1/2023	3/1/2023	4/1/2023	5/1/2023	6/1/2023	7/1/2023	8/1/2023	Total
Residential															
Fixed Charge	<i>\$/ Month</i>														
3/4"	\$54.97	12,000	12,000	12,000	12,000	12,000	12,000	12,000	12,000	12,000	12,000	12,000	12,000	12,000	12,000
1"	91.75	102	102	102	102	102	102	102	102	102	102	102	102	102	102
1 1/2"	183.00	9	9	9	9	9	9	9	9	9	9	9	9	9	9
2"	292.89	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3"	549.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total		12,111	12,111	12,111	12,111	12,111	12,111	12,111	12,111	12,111	12,111	12,111	12,111	12,111	12,111
Flat Rate	\$69.70	178	178	178	160	150	133	133	93	90	90	83	83		129
Commodity Charge	<i>\$/ CCF</i>														
Flat Rate Consumptic	\$0.00	1,712	1,287	938	687	573	481	469	320	400	664	956	1,361		9,849
0 - 15 CCF	1.88	87,511	66,647	53,230	44,904	39,461	37,096	36,211	34,886	40,101	57,986	80,437	95,316		673,786
15 + CCF	2.87	28,990	20,936	10,582	7,113	6,781	6,738	6,490	6,763	4,719	16,529	35,838	70,149		221,628
Total		118,213	88,870	64,750	52,704	46,815	44,316	43,170	41,969	45,219	75,180	117,231	166,825		905,263
Revenues															
CARE		(\$5,000)	(\$5,000)	(\$5,000)	(\$4,999)	(\$4,999)	(\$4,998)	(\$4,998)	(\$4,996)	(\$4,996)	(\$4,996)	(\$4,996)	(\$4,996)	(\$4,996)	(59,973)
Flat Rate		12,407	12,407	12,407	11,152	10,455	9,270	9,270	6,482	6,273	6,273	5,785	5,785		107,965
Fixed Charge		670,646	670,646	670,646	670,646	670,646	670,646	670,646	670,646	670,646	670,646	670,646	670,646		8,047,746
Commodity Charge		247,721	185,383	130,443	104,834	93,648	89,081	86,703	84,996	88,933	156,452	254,077	380,520		1,902,791
Total Revenues		\$925,774	\$863,435	\$808,496	\$781,633	\$769,750	\$763,998	\$761,621	\$757,127	\$760,855	\$828,375	\$925,512	\$1,051,954		\$9,998,530
		10	7	5.3	4.4	3.9	3.7	3.6	3.5	3.7	6	10	14		
		244	183	133	109	96	91	89	86	93	155	242	344		12,240

South Tahoe PUD
Water Utility
Revenue Requirement
Exhibit 5 - Revenue at Present Rates

		Effective													
		July. 1 2023	9/1/2022	10/1/2022	11/1/2022	12/1/2022	1/1/2023	2/1/2023	3/1/2023	4/1/2023	5/1/2023	6/1/2023	7/1/2023	8/1/2023	Total
Multifamily															
Fixed Charge	<i>\$/ Month</i>														
5/8"	\$54.97	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3/4"	54.97	512	512	512	512	512	512	512	512	512	512	512	512	512	512
1"	91.75	549	549	549	549	549	549	549	549	549	549	549	549	549	549
1.5"	183.00	74	74	74	74	74	74	74	74	74	74	74	74	74	74
2"	292.89	42	42	42	42	42	42	42	42	42	42	42	42	42	42
3"	549.55	6	6	6	6	6	6	6	6	6	6	6	6	6	6
4"	916.06	8	8	8	8	8	8	8	8	8	8	8	8	8	8
6"	1,831.51	2	2	2	2	2	2	2	2	2	2	2	2	2	2
8"	2,930.56	1	1	1	1	1	1	1	1	1	1	1	1	1	1
10"	4,213.11	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total		1,194	1,194	1,194	1,194	1,194	1,194	1,194	1,194	1,194	1,194	1,194	1,194	1,194	1,194
Unmetered Duplex	\$115.74	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unmetered Triplex	157.24	20	20	20	20	20	20	20	20	20	20	20	20	20	20
Unmetered Four-Plex	203.43	19	19	19	19	19	19	19	19	19	19	19	19	19	19
Add'l Unit	34.09	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Commodity Charge	<i>\$/ CCF</i>														
Flat Rate Consumptio	\$0.00	1,143	884	758	684	684	692	698	657	803	802	1,017	1,349		10,172
All Use	\$1.87	34,988	27,073	23,212	20,948	20,948	21,196	21,376	20,117	22,342	22,308	28,309	37,548		300,365
Total		36,131	27,957	23,970	21,633	21,633	21,889	22,074	20,774	23,145	23,110	29,326	38,897		310,537
Revenues															
CARE DU		(\$502)	(\$502)	(\$502)	(\$502)	(\$503)	(\$503)	(\$503)	(\$505)	(\$505)	(\$505)	(\$505)	(\$505)	(\$505)	(\$6,041)
Flat Rate		7,010	7,010	7,010	7,010	7,010	7,010	7,010	7,010	7,010	7,010	7,010	7,010	7,010	84,120
Fixed Charge		121,578	121,578	121,578	121,578	121,578	121,578	121,578	121,578	121,578	121,578	121,578	121,578	121,578	1,458,938
Commodity Charge		65,427	50,626	43,406	39,174	39,174	39,637	39,973	37,618	41,780	41,716	52,938	70,214	70,214	561,682
Total Revenues		\$193,514	\$178,713	\$171,492	\$167,259	\$167,259	\$167,722	\$168,058	\$165,702	\$169,863	\$169,800	\$181,021	\$198,297		\$2,098,698
	\$65.49	30	23	20	18	18	18	18	17	19	19	25	33		
	35.0213904														

South Tahoe PUD
Water Utility
Revenue Requirement
Exhibit 5 - Revenue at Present Rates

		<i>Effective</i>													
		<i>July. 1 2023</i>	9/1/2022	10/1/2022	11/1/2022	12/1/2022	1/1/2023	2/1/2023	3/1/2023	4/1/2023	5/1/2023	6/1/2023	7/1/2023	8/1/2023	Total
Commercial															
Fixed Charge	<i>\$/Month</i>														
5/8"	\$54.97	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3/4"	54.97	142	142	142	142	142	142	142	142	142	142	142	142	142	142
1"	91.75	216	216	216	216	216	216	216	216	216	216	216	216	216	216
1.5"	183.00	97	97	97	97	97	97	97	97	97	97	97	97	97	97
2"	292.89	138	138	138	138	138	138	138	138	138	138	138	138	138	138
3"	549.55	20	20	20	20	20	20	20	20	20	20	20	20	20	20
4"	916.06	19	19	19	19	19	19	19	19	19	19	19	19	19	19
6"	1,831.51	9	9	9	9	9	9	9	9	9	9	9	9	9	9
8"	2,930.56	11	11	11	11	11	11	11	11	11	11	11	11	11	11
10"	4,213.11	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Total		654	654	654	654	654	654	654	654	654	654	654	654	654	654
Unmetered 3/4" Service	\$100.92	14	14	14	14	14	14	14	14	14	14	14	14	14	14
Unmetered 1" Service	152.24	7	7	7	7	7	7	7	7	7	7	7	7	7	7
Commodity Charge	<i>\$/CCF</i>														
Flat Rate Consumptio	\$0.00	2,028	1,739	1,491	1,345	1,096	1,077	978	1,045	1,180	1,665	2,129	3,087		18,860
All Use	\$1.94	63,149	54,142	46,420	41,894	34,123	33,542	30,465	32,550	33,411	47,148	60,278	87,394		564,516
Total		65,177	55,881	47,911	43,239	35,219	34,619	31,443	33,595	34,591	48,814	62,407	90,481		583,376
Revenues															
Flat Rate Revenue		2,479	2,479	2,479	2,479	2,479	2,479	2,479	2,479	2,479	2,479	2,479	2,479		\$29,743
Fixed Charge		\$171,336	\$171,336	\$171,336	\$171,336	\$171,336	\$171,336	\$171,336	\$171,336	\$171,336	\$171,336	\$171,336	\$171,336		\$2,056,028
Commodity Charge		122,509	105,036	90,055	81,275	66,199	65,071	59,102	63,147	64,817	91,468	116,939	169,544		\$1,095,162
Total Revenues		\$296,323	\$278,850	\$263,869	\$255,089	\$240,013	\$238,885	\$232,916	\$236,961	\$238,631	\$265,282	\$290,754	\$343,358		\$3,180,933

South Tahoe PUD
Water Utility
Revenue Requirement
Exhibit 5 - Revenue at Present Rates

	<i>Effective</i>													
	<i>July. 1 2023</i>	9/1/2022	10/1/2022	11/1/2022	12/1/2022	1/1/2023	2/1/2023	3/1/2023	4/1/2023	5/1/2023	6/1/2023	7/1/2023	8/1/2023	Total
Summary														
Number of Customers														
Residential		12,289	12,289	12,289	12,271	12,261	12,244	12,244	12,204	12,201	12,201	12,194	12,194	12,198
Multifamily		1,233	1,233	1,233	1,233	1,233	1,233	1,233	1,233	1,233	1,233	1,233	1,233	1,233
Commercial		675	675	675	675	675	675	675	675	675	675	675	675	675
Total		14,197	14,197	14,197	14,179	14,169	14,152	14,152	14,112	14,109	14,109	14,102	14,102	14,106
Consumption														
Residential		118,213	88,870	64,750	52,704	46,815	44,316	43,170	41,969	45,219	75,180	117,231	166,825	404,455
Multifamily		36,131	27,957	23,970	21,633	21,633	21,889	22,074	20,774	23,145	23,110	29,326	38,897	114,477
Commercial		65,177	55,881	47,911	43,239	35,219	34,619	31,443	33,595	34,591	48,814	62,407	90,481	236,292
Total		219,520	172,708	136,631	117,576	103,666	100,824	96,687	96,338	102,955	147,103	208,965	296,202	755,225
		963,559	963,559	963,559	963,559	963,559	963,559	963,559	963,559	963,559	963,559	963,559	963,559	11,562,712
		435,657	341,045	263,904	225,283	199,021	193,789	185,778	185,761	195,530	289,636	423,954	620,278	3,559,636
Revenues														
Residential		\$925,774	\$863,435	\$808,496	\$781,633	\$769,750	\$763,998	\$761,621	\$757,127	\$760,855	\$828,375	\$925,512	\$1,051,954	\$9,998,530
Multifamily		193,514	178,713	171,492	167,259	167,259	167,722	168,058	165,702	169,863	169,800	181,021	198,297	\$2,098,698
Commercial		296,323	278,850	263,869	255,089	240,013	238,885	232,916	236,961	238,631	265,282	290,754	343,358	\$3,180,933
Total		\$1,415,611	\$1,320,998	\$1,243,858	\$1,203,981	\$1,177,022	\$1,170,606	\$1,162,595	\$1,159,790	\$1,169,349	\$1,263,456	\$1,397,286	\$1,593,609	\$15,278,161
														\$15,055,309
														222,852
														1.5%

South Tahoe PUD
Customer Data Projection
Revenue Requirement
Exhibit 6 - Customer Data

	July. 1 2023	Input		Projected							Notes	
		FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2032		FY 2033
Residential												
Fixed Charge												
3/4"	\$54.97	12,000	12,087	12,132	12,181	12,218	12,249	12,275	12,301	12,327	12,353	As Residential
1"	\$91.75	102	102	102	102	102	102	102	102	102	102	As Residential
1 1/2"	\$183.00	9	9	9	9	9	9	9	9	9	9	As Residential
2"	\$292.89	0	0	0	0	0	0	0	0	0	0	As Residential
3"	\$549.55	0	0	0	0	0	0	0	0	0	0	As Residential
Unmetered	\$69.70	129	67	47	24	12	6	0	0	1	2	As Residential
Total Residential Cust.		12,240	12,265	12,290	12,316	12,341	12,366	12,386	12,412	12,439	12,466	
Commodity Charge												
0 - 15 CCF	\$1.88	673,786	678,626	681,130	683,856	685,914	687,639	689,085	690,531	691,977	693,423	As Consumption
15 + CCF	\$2.87	221,628	223,221	224,044	224,941	225,618	226,185	226,661	227,137	227,613	228,089	As Consumption
Unmetered	\$0.00	9,849	5,112	3,586	1,793	896	458	0	0	0	0	
		905,263	906,959	908,760	910,590	912,428	914,282	915,746	917,668	919,590	921,512	
Fixed Charge		8,155,711	8,161,173	8,174,129	8,186,796	8,201,375	8,217,015	8,229,147	8,246,298	8,264,285	8,282,272	
Commodity Charge		1,902,791	1,916,461	1,923,531	1,931,230	1,937,042	1,941,912	1,945,997	1,950,081	1,954,166	1,958,251	
Total		10,058,503	10,077,635	10,097,660	10,118,026	10,138,417	10,158,927	10,175,144	10,196,379	10,218,451	10,240,522	

South Tahoe PUD
 Customer Data Projection
 Revenue Requirement
 Exhibit 6 - Customer Data

	July. 1 2023	Input		Projected								Notes
		FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2032	FY 2033	
Multifamily												
Fixed Charge												
5/8"	\$54.97	0	0	0	0	0	0	0	0	0	0	As Multi-Family
3/4"	54.97	512	513	514	515	516	517	518	519	520	521	As Multi-Family
1"	91.75	549	568	572	576	580	584	588	588	588	588	As Multi-Family
1.5"	183.00	74	74	74	74	74	74	74	74	74	74	As Multi-Family
2"	292.89	42	43	43	43	43	43	43	43	43	43	As Multi-Family
3"	549.55	6	6	6	6	6	6	6	6	6	6	As Multi-Family
4"	916.06	8	8	8	8	8	8	8	8	8	8	As Multi-Family
6"	1,831.51	2	2	2	2	2	2	2	2	2	2	As Multi-Family
8"	2,930.56	1	1	1	1	1	1	1	1	1	1	As Multi-Family
10"	4,213.11	0	0	0	0	0	0	0	0	0	0	As Multi-Family
Total Multifamily Cust.		1,194	1,215	1,220	1,225	1,230	1,235	1,240	1,241	1,242	1,243	
Unmetered Duplex	115.74	0	0	0	0	0	0	0	0	0	0	As Flat - Rev
Unmetered Triplex	157.24	20	10	8	6	4	2	0	0	0	0	As Flat - Rev
Unmetered Four-Plex	203.43	19	10	8	6	4	2	0	0	0	0	As Flat - Rev
Add'l Unit	34.09	0	0	0	0	0	0	0	0	0	0	As Flat - Rev
Multifamily Billing Units		1,233	1,235	1,236	1,237	1,238	1,239	1,240	1,241	1,242	1,243	
Commodity Charge												
Un-Metered	0.00	10,172	5,216	4,173	3,130	2,087	1,043	0	0	0	0	As Consumption
All Use	1.87	300,365	300,365	300,365	300,365	300,365	300,365	300,365	300,365	300,365	300,365	As Consumption
		300,365	305,581	304,538	303,495	302,452	301,408	300,365	300,365	300,365	300,365	
Fixed Charge	1,543,057		1,527,311	1,523,719	1,520,126	1,516,534	1,512,942	1,509,349	1,510,009	1,510,668	1,511,328	
Commodity Charge	561,682		561,683	561,683	561,683	561,683	561,683	561,683	561,683	561,683	561,683	
Total	2,104,740		2,088,994	2,085,401	2,081,809	2,078,217	2,074,624	2,071,032	2,071,691	2,072,351	2,073,011	

South Tahoe PUD
 Customer Data Projection
 Revenue Requirement
 Exhibit 6 - Customer Data

	July. 1 2023	Input		Projected								Notes
		FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2032	FY 2033	
Commercial												
Fixed Charge												
5/8"	\$54.97	0	0	0	0	0	0	0	0	0	0	As Commercial
3/4"	\$54.97	142	149	151	153	155	156	156	156	156	156	As Commercial
1"	\$91.75	216	219	220	221	222	223	223	223	223	223	As Commercial
1.5"	\$183.00	97	97	97	97	97	97	97	97	97	97	As Commercial
2"	\$292.89	138	138	138	138	138	138	138	138	138	138	As Commercial
3"	\$549.55	20	20	20	20	20	20	20	20	20	20	As Commercial
4"	\$916.06	19	19	19	19	19	19	19	19	19	19	As Commercial
6"	\$1,831.51	9	9	9	9	9	9	9	9	9	9	As Commercial
8"	\$2,930.56	11	11	11	11	11	11	11	11	11	11	As Commercial
10"	\$4,213.11	2	2	2	2	2	2	2	2	2	2	As Commercial
Total Commercial Cust.		654	664	667	670	673	675	675	675	675	675	
Unmetered 3/4" Service	\$100.92	14	7	5	3	1	0	0	0	0	0	As Commercial
Unmetered 1" Service	\$152.24	7	4	3	2	1	0	0	0	0	0	As Commercial
Commercial Billing Units		675	675	675	675	675	675	675	675	675	675	
Commodity Charge												
Unmetered	\$0.00	18,860	9,879	7,185	4,490	1,796	0	0	0	0	0	As Consumption
All Usage	\$1.94	564,516	564,516	564,516	564,516	564,516	564,516	564,516	564,516	564,516	564,516	As Consumption
		583,376	574,395	571,701	569,006	566,312	564,516	564,516	564,516	564,516	564,516	
Fixed Charge		2,085,771	2,079,733	2,077,905	2,076,076	2,074,247	2,072,970	2,072,970	2,072,970	2,072,970	2,072,970	
Commodity Charge		1,095,162	1,095,161	1,095,161	1,095,161	1,095,161	1,095,161	1,095,161	1,095,161	1,095,161	1,095,161	
Total		3,180,933	3,174,894	3,173,066	3,171,237	3,169,408	3,168,131	3,168,131	3,168,131	3,168,131	3,168,131	

South Tahoe PUD
 Water Utility
 Development of Allocation Factors
 Exhibit 7 - Commodity & Capacity

	Commodity				Capacity				Capacity - Equiv. Meters	
	Water (CCF)	13.7% Losses ^[1]	Water Flow (MGD)	% of Total	Peaking Factor	Peak Day ^[2] Use (MGD)	Average Daily Use (MGD)	% of Total	Equiv. Meters	% of Total
Residential										
Tier 1	678,626	92,972	1.58	38.0%	2.13	3.37	1.79	31.0%	12,354	69.5%
Tier 2	223,221	30,581	0.52	12.5%	3.37	1.75	1.23	21.4%	0.00	0.0%
Unmetered*	5,112	700	0.01	0.3%	2.13	0.03	0.01	0.2%	0.00	0.0%
Multifamily	305,581	41,865	0.71	17.1%	2.30	1.64	0.93	16.1%	2,270	12.8%
Commercial	574,395	78,692	1.34	32.1%	2.34	3.14	1.80	31.2%	3,143	17.7%
Total	1,786,935	244,810	4.16	100.0%	1.72	9.92	5.76	100.0%	17,767	100.0%
		Actual Production ^[3]	5.20		Actual Peak ^[4]	12.41				
<i>Allocation Factor</i>				<i>(COM)</i>				<i>(CAP-S)</i>		<i>(CAP-D)</i>

Notes

- [1] Validated Water Audit CY 2021 (File: W-19 South Tahoe PUD - Validated Water Audit - CY2021.xls)
- [2] Calculated Based on peak month to Average Month and then adjusted for peak day.
- [3] Existing System Demand Estimates, Carollo, July 2022 (file:W-17-Demands-jhr-092823.PNG)
- [4] Existing System Demand Estimates, Carollo, July 2022 (file:W-17-Demands-jhr-092823.PNG)

0.800708821 13.7%

South Tahoe PUD
 Water Utility
 Development of Allocation Factors
 Exhibit 8 - Customer

	<i>Actual Customer</i>		<i>Customer Service & Accounting</i>			<i>Meters & Services</i>	
	Number of Billing Units	% of Total	Weighting Factor	Weighted Customer	% of Total	Equiv. Meters	% of Total
Residential	12,265	86.5%	1.00	12,265	86.5%	12,354	69.5%
Multifamily	1,235	8.7%	1.00	1,235	8.7%	2,270	12.8%
Commercial	675	4.8%	1.00	675	4.8%	3,143	17.7%
Total	14,175	100.0%		14,175	100.0%	17,767	100.0%

Allocation Factor

(AC)

(WCA)

(WCMS)

South Tahoe PUD
 Water Utility
 Development of Allocation Factors
 Exhibit 9 - Fire Protection and Revenue Alloc

	<i>Fire Protection</i>					<i>Revenue Related</i>	
	Number of Accounts	Fire Prot. Requirmt's (gals/min) ^[1]	Duration (minutes) ^[1]	Total PFP Requirements (1,000 g/min)	% of Total	FY 2025 Revenue at Present Rates	% of Total
Residential	12,265	1,000	90	1,103,850	86.5%	\$10,077,635	66%
Multifamily	1,235	1,000	90	111,150	8.7%	2,088,994	14%
Commercial	675	1,000	90	60,750	4.8%	3,174,894	21%
	<u>14,175</u>			<u>1,275,750</u>	<u>100.0%</u>	<u>\$15,341,523</u>	<u>100.0%</u>
<i>Allocation Factor</i>				<i>(FP)</i>			<i>(RR)</i>

South Tahoe PUD
Water Utility
Development of Allocation Factors
Exhibit 10 - Distribution Main Analysis

<i>Distribution Storage</i>				<i>Distribution Main Analysis</i>			
	hrs	gpm	Total	Main Size	Length (ft)	Installed Replcmt \$ ^[2]	Total
Fire Flow Requirements	2	1,000	90,000 (a)	3/4"	922	\$20.00	\$18,448
Storage Capacity ^[1]			9,261,000 (b)	1"	8,593	26.00	\$223,420
Public Fire Protection			1.0% (FP)	1.5"	5,816	38.00	\$221,020
(a) / (b) = FP%				2"	47,678	50.00	\$2,383,909
Capacity			99.0% (CAP)	2.5"	847	63.00	\$53,337
1 - FP% = CAP				3"	3,323	75.00	\$249,240
				4"	134,839	99.00	\$13,349,016
				6"	484	147.00	\$71,172
				6.5"	574,262	159.00	\$91,307,581
				8"	331,879	196.00	\$65,048,211
				10"	72,087	244.00	\$17,589,279
				12"	69,343	292.00	\$20,248,034
				14"	25,654	341.00	\$8,747,951
					-----		-----
					1,275,726		\$219,268,752 (e)
				Remaining			
				16" - 36"	37,332	\$438.00	\$16,351,416
<i>Source of Supply</i>							
Capacity / Commodity				Customer%			
<i>Average Day</i>	4.16 (c)		42.0% (COM)	(f) Total @ 2" Equivalent Cost		\$63,786,314	
(c) / (d) = COM%				(f) / (e) = Cust.%		29.0%	(AC)
<i>Peak Day</i>	9.92 (d)		58.0% (CAP)	Capacity			
1 - ((c) / (d)) = CAP%				(g) Cost for 4" - 8"		\$169,775,981	
				(h) 10" - 14" @ Equivalent 8" Cost		32,748,387	
				(g + h - f) / (e) = CAP%		63.3%	(CAP)
				Fire Protection			
				1 - CUST.% - CAP% = FP%		7.7%	(FP)

Notes

[1] - Clearwell tank 1 & 2, 2 MG each

[2] - W-3, W-4. AssetManagementWaterMains_2017112.xlsx

South Tahoe PUD
Water Utility
Functionalization and Classification
Exhibit 11 - Plant In Service

Total Plant 6/30/2023	Customer Related									Basis of Classification
	Commodity (COM)	Capacity (CAP-S)	Capacity - Equiv. Meters (CAP-D)	Actual Customer (AC)	Weighted for:		Revenue Related (RR)	Fire Protection (FP)	Direct Assign. (DA)	
					Customer Acct/Svcs (WCA)	Meters & Svcs (WCMS)				
Plant In Service										
Source of Supply	\$14,812,013	\$14,812,013	\$0	\$0	\$0	\$0	\$0	\$0	\$0	100% (COM)
Water Rights	1,668,308	1,668,308	0	0	0	0	0	0	0	100% (COM)
Treatment Plant Facilities	5,222,183	2,193,317	3,028,866	0	0	0	0	0	0	42% (COM)/ 58% (CAP-S)
Pumping Facilities/Force Mains	8,782,518	3,688,658	5,093,860	0	0	0	0	0	0	42% (COM)/ 58% (CAP-S)
Trans & Dist. - All Lines	110,432,009	0	0	69,873,713	0	32,025,282	0	8,533,013	0	63% (CAP-D)/ 29% (WCMS)/ 8% (FP)
Land & Easement	1,932,031	306,596	111,366	957,998	0	439,080	0	116,991	0	As Plant Above
Other Land Rights	164,324	26,077	9,472	81,480	0	37,345	0	9,950	0	As Plant Above
Plant Before General	\$143,013,385	\$22,694,968	\$8,243,564	\$70,913,191	\$0	\$32,501,707	\$0	\$8,659,954	\$0	
Construction In progress	\$9,965,077	\$1,581,370	\$574,406	\$4,941,184	\$0	\$2,264,697	\$0	\$603,420	\$0	as Plant Before General Plant
G&A Equipment	\$21,160,318	\$3,357,957	\$1,219,721	\$10,492,345	\$0	\$4,808,966	\$0	\$1,281,330	\$0	as Plant Before General Plant
Total Plant	\$174,138,780	\$27,634,295	\$10,037,692	\$86,346,720	\$0	\$39,575,370	\$0	\$10,544,704	\$0	
Depreciation										
Source of Supply	\$10,454,521	\$10,454,521	\$0	\$0	\$0	\$0	\$0	\$0	\$0	as Source of Supply
Treatment Plant	4,726,272	1,985,034	2,741,238	0	0	0	0	0	0	as Treatment Plant
Pumping Facilities	4,370,455	1,835,591	2,534,864	0	0	0	0	0	0	as Pumping Facilities/Force Mains
Subsurface Collection Lines	\$36,103,200	0	0	22,843,600	0	10,469,928	0	2,789,672	0	as Transmission/Distribution
General Plant and Admin	10,168,440	1,613,642	586,128	5,042,021	0	2,310,914	0	615,734	0	as Plant Before General Plant
Total Depreciation	\$65,822,889	\$15,888,789	\$5,862,230	\$27,885,622	\$0	\$12,780,842	\$0	\$3,405,406	\$0	
Net Plant In Service	\$108,315,892	\$11,745,506	\$4,175,462	\$58,461,098	\$0	\$26,794,528	\$0	\$7,139,298	\$0	

South Tahoe PUD
 Water Utility
 Functionalization and Classification
 Exhibit 12 - Revenue Requirement

Total Expenses FY 2025	Commodity (COM)	Capacity (CAP-S)	Capacity - Equiv. Meters (CAP-D)	Actual Customer (AC)	Customer Related		Revenue Related (RR)	Fire Protection (FP)	Direct Assign. (DA)	Basis of Classification
					Weighted for:					
					Customer Acct/Svcs (WCA)	Meters & Svcs (WCMS)				
Expenses										
Electric										
14-4101 Regular Salaries - Wages	\$251,267	\$105,532	\$145,735	\$0	\$0	\$0	\$0	\$0	\$0	42% (COM)/ 58% (CAP-S)
14-4102 Wages Overtime	7,560	3,175	4,385	0	0	0	0	0	0	42% (COM)/ 58% (CAP-S)
14-4103 Wages Double Time	594	249	345	0	0	0	0	0	0	42% (COM)/ 58% (CAP-S)
14-4301 FICA Taxes	19,846	8,335	11,511	0	0	0	0	0	0	42% (COM)/ 58% (CAP-S)
14-4302 Dental Self Insured	3,514	1,476	2,038	0	0	0	0	0	0	42% (COM)/ 58% (CAP-S)
14-4304 Vision	585	246	339	0	0	0	0	0	0	42% (COM)/ 58% (CAP-S)
14-4305 Retirement Health Savings Account	3,091	1,298	1,793	0	0	0	0	0	0	42% (COM)/ 58% (CAP-S)
14-4306 Workers Compensation	8,857	3,720	5,137	0	0	0	0	0	0	42% (COM)/ 58% (CAP-S)
14-4308 Uniforms	1,122	471	651	0	0	0	0	0	0	42% (COM)/ 58% (CAP-S)
14-4309 Health Savings Account - ER Portion	3,888	1,633	2,255	0	0	0	0	0	0	42% (COM)/ 58% (CAP-S)
14-4310 ACWA Medical Insurance	48,176	20,234	27,942	0	0	0	0	0	0	42% (COM)/ 58% (CAP-S)
14-4311 Life Insurance	410	172	238	0	0	0	0	0	0	42% (COM)/ 58% (CAP-S)
14-4313 AFLAC Administrative fee - ER Portion	0	0	0	0	0	0	0	0	0	42% (COM)/ 58% (CAP-S)
14-4314 Long Term Disability - Union	451	189	261	0	0	0	0	0	0	42% (COM)/ 58% (CAP-S)
14-4315 CalPERS Classic ER Contribution	36,076	15,152	20,924	0	0	0	0	0	0	42% (COM)/ 58% (CAP-S)
14-4325 CalPERS PEPRRA ER Contribution	8,151	3,423	4,727	0	0	0	0	0	0	42% (COM)/ 58% (CAP-S)
14-4330 Health Savings Account Admin Fee - ER Portion	57	24	33	0	0	0	0	0	0	42% (COM)/ 58% (CAP-S)
14-4405 Contractual Services	102	43	59	0	0	0	0	0	0	42% (COM)/ 58% (CAP-S)
14-4610 Gasoline Expense	2,550	1,071	1,479	0	0	0	0	0	0	42% (COM)/ 58% (CAP-S)
14-4820 Office Supplies	587	246	340	0	0	0	0	0	0	42% (COM)/ 58% (CAP-S)
14-6041 Buildings	5,916	2,485	3,431	0	0	0	0	0	0	42% (COM)/ 58% (CAP-S)
14-6050 Wells	15,300	6,426	8,874	0	0	0	0	0	0	42% (COM)/ 58% (CAP-S)
14-6051 Pump Stations	14,280	5,998	8,282	0	0	0	0	0	0	42% (COM)/ 58% (CAP-S)
14-6054 Repair - Maintenance Water Tanks	10,200	4,284	5,916	0	0	0	0	0	0	42% (COM)/ 58% (CAP-S)
14-6056 Radio Repairs - Replacement	510	214	296	0	0	0	0	0	0	42% (COM)/ 58% (CAP-S)
14-6066 SCADA	7,650	3,213	4,437	0	0	0	0	0	0	42% (COM)/ 58% (CAP-S)
14-6071 Shop Supplies	2,678	1,125	1,553	0	0	0	0	0	0	42% (COM)/ 58% (CAP-S)
14-6073 Small Tools	1,530	643	887	0	0	0	0	0	0	42% (COM)/ 58% (CAP-S)
14-6075 Safety Equipment - Physicals	2,040	857	1,183	0	0	0	0	0	0	42% (COM)/ 58% (CAP-S)
14-6200 Travel - Meetings - Education	1,226	515	711	0	0	0	0	0	0	42% (COM)/ 58% (CAP-S)
14-6250 Dues - Memberships - Certification	918	386	532	0	0	0	0	0	0	42% (COM)/ 58% (CAP-S)
14-6310 Telephone	510	214	296	0	0	0	0	0	0	42% (COM)/ 58% (CAP-S)
14-6520 Supplies	204	86	118	0	0	0	0	0	0	42% (COM)/ 58% (CAP-S)
Total Electric	\$459,845	\$193,135	\$266,710	\$0	\$0	\$0	\$0	\$0	\$0	

South Tahoe PUD
 Water Utility
 Functionalization and Classification
 Exhibit 12 - Revenue Requirement

	Total Expenses FY 2025	Commodity (COM)	Capacity (CAP-S)	Capacity - Equiv. Meters (CAP-D)	Actual Customer (AC)	Customer Related		Revenue Related (RR)	Fire Protection (FP)	Direct Assign. (DA)	Basis of Classification
						Customer Acct/Svcs (WCA)	Meters & Svcs (WCMS)				
Heavy Maintenance											
16-6030 Service Contracts	\$4,437	\$1,864	\$2,573	\$0	\$0	\$0	\$0	\$0	\$0	\$0	42% (COM)/ 58% (CAP-S)
16-6041 Buildings	14,229	5,976	8,253	0	0	0	0	0	0	0	42% (COM)/ 58% (CAP-S)
16-6042 Grounds & Maintenance	1,020	428	592	0	0	0	0	0	0	0	42% (COM)/ 58% (CAP-S)
Total Heavy Maintenance	\$19,686	\$8,268	\$11,418	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
Field Operations											
20-4101 Regular Salaries - Wages	\$102,813	\$43,181	\$59,631	\$0	\$0	\$0	\$0	\$0	\$0	\$0	42% (COM)/ 58% (CAP-S)
20-4301 FICA Taxes	6,855	2,879	3,976	0	0	0	0	0	0	0	42% (COM)/ 58% (CAP-S)
20-4302 Dental Self Insured	879	369	510	0	0	0	0	0	0	0	42% (COM)/ 58% (CAP-S)
20-4304 Vision	146	61	85	0	0	0	0	0	0	0	42% (COM)/ 58% (CAP-S)
20-4305 Retirement Health Savings Account	1,605	674	931	0	0	0	0	0	0	0	42% (COM)/ 58% (CAP-S)
20-4306 Workers Compensation	757	318	439	0	0	0	0	0	0	0	42% (COM)/ 58% (CAP-S)
20-4310 ACWA Medical Insurance	10,433	4,382	6,051	0	0	0	0	0	0	0	42% (COM)/ 58% (CAP-S)
20-4311 Life Insurance	245	103	142	0	0	0	0	0	0	0	42% (COM)/ 58% (CAP-S)
20-4312 Long Term Disability - Management	575	242	334	0	0	0	0	0	0	0	42% (COM)/ 58% (CAP-S)
20-4315 CalPERS Classic ER Contribution	26,979	11,331	15,648	0	0	0	0	0	0	0	42% (COM)/ 58% (CAP-S)
20-4405 Contractual Services	0	0	0	0	0	0	0	0	0	0	42% (COM)/ 58% (CAP-S)
20-4480 Legal - Regular	255	107	148	0	0	0	0	0	0	0	42% (COM)/ 58% (CAP-S)
20-4610 Gasoline Expense	510	214	296	0	0	0	0	0	0	0	42% (COM)/ 58% (CAP-S)
20-4820 Office Supplies	510	214	296	0	0	0	0	0	0	0	42% (COM)/ 58% (CAP-S)
20-6075 Safety Equipment - Physicals	102	43	59	0	0	0	0	0	0	0	42% (COM)/ 58% (CAP-S)
20-6200 Travel - Meetings - Education	51	21	30	0	0	0	0	0	0	0	42% (COM)/ 58% (CAP-S)
20-6250 Dues - Memberships - Certification	255	107	148	0	0	0	0	0	0	0	42% (COM)/ 58% (CAP-S)
20-6520 Supplies	102	43	59	0	0	0	0	0	0	0	42% (COM)/ 58% (CAP-S)
20-6650 Regulatory Operating Permits	125,613	52,757	72,856	0	0	0	0	0	0	0	42% (COM)/ 58% (CAP-S)
80-Fuel1 USFS Fuels Reduction Funding	500,500	500,500	0	0	0	0	0	0	0	0	100% (COM)
80-Fuel2 Community Fuels Reduction Funding	1,300,000	1,300,000	0	0	0	0	0	0	0	0	100% (COM)
Total Field Operations	\$2,079,184	\$1,917,547	\$161,637	\$0	\$0	\$0	\$0	\$0	\$0	\$0	

South Tahoe PUD
Water Utility
Functionalization and Classification
Exhibit 12 - Revenue Requirement

	Total Expenses FY 2025	Commodity (COM)	Capacity (CAP-S)	Capacity - Equiv. Meters (CAP-D)	Actual Customer (AC)	Customer Related		Revenue Related (RR)	Fire Protection (FP)	Direct Assign. (DA)	Basis of Classification
						Customer Acct/Svcs (WCA)	Meters & Svcs (WCMS)				
Underground Repair											
24-4101 Regular Salaries - Wages	\$1,047,589	\$0	\$0	\$662,842	\$0	\$0	\$303,801	\$0	\$80,947	\$0	as Transmission/Distribution
24-4102 Wages Overtime	108,000	0	0	68,335	0	0	31,320	0	8,345	0	as Transmission/Distribution
24-4103 Wages Double Time	10,800	0	0	6,833	0	0	3,132	0	835	0	as Transmission/Distribution
24-4201 Wages - Part Time	86,400	0	0	54,668	0	0	25,056	0	6,676	0	as Transmission/Distribution
24-4202 Wages - Part Time Overtime	1,080	0	0	683	0	0	313	0	83	0	as Transmission/Distribution
24-4301 FICA Taxes	95,921	0	0	60,692	0	0	27,817	0	7,412	0	as Transmission/Distribution
24-4302 Dental Self Insured	19,328	0	0	12,229	0	0	5,605	0	1,493	0	as Transmission/Distribution
24-4304 Vision	3,217	0	0	2,035	0	0	933	0	249	0	as Transmission/Distribution
24-4305 Retirement Health Savings Account	17,001	0	0	10,757	0	0	4,930	0	1,314	0	as Transmission/Distribution
24-4306 Workers Compensation	46,924	0	0	29,690	0	0	13,608	0	3,626	0	as Transmission/Distribution
24-4308 Uniforms	4,080	0	0	2,582	0	0	1,183	0	315	0	as Transmission/Distribution
24-4309 Health Savings Account - ER Portion	5,184	0	0	3,280	0	0	1,503	0	401	0	as Transmission/Distribution
24-4310 ACWA Medical Insurance	258,148	0	0	163,338	0	0	74,863	0	19,947	0	as Transmission/Distribution
24-4311 Life Insurance	2,230	0	0	1,411	0	0	647	0	172	0	as Transmission/Distribution
24-4313 AFLAC Administrative fee - ER Portion	0	0	0	0	0	0	0	0	0	0	as Transmission/Distribution
24-4314 Long Term Disability - Union	2,460	0	0	1,557	0	0	713	0	190	0	as Transmission/Distribution
24-4315 CalPERS Classic ER Contribution	107,802	0	0	68,209	0	0	31,263	0	8,330	0	as Transmission/Distribution
24-4325 CalPERS PEPRa ER Contribution	43,702	0	0	27,652	0	0	12,674	0	3,377	0	as Transmission/Distribution
24-4330 Health Savings Account Admin Fee - ER Portion	77	0	0	49	0	0	22	0	6	0	as Transmission/Distribution
24-4405 Contractual Services	0	0	0	0	0	0	0	0	0	0	as Transmission/Distribution
24-4520 Miscellaneous Liability Claims	4,080	0	0	2,582	0	0	1,183	0	315	0	as Transmission/Distribution
24-4610 Gasoline Expense	16,320	0	0	10,326	0	0	4,733	0	1,261	0	as Transmission/Distribution
24-4620 Diesel	25,500	0	0	16,135	0	0	7,395	0	1,970	0	as Transmission/Distribution
24-4820 Office Supplies	1,020	0	0	645	0	0	296	0	79	0	as Transmission/Distribution
24-5020 Equipment Rental- Lease	510	0	0	323	0	0	148	0	39	0	as Transmission/Distribution
24-6012 Mobile Equipment	510	0	0	323	0	0	148	0	39	0	as Transmission/Distribution
24-6027 Office Equipment Repair	204	0	0	129	0	0	59	0	16	0	as Transmission/Distribution
24-6030 Service Contracts	102	0	0	65	0	0	30	0	8	0	as Transmission/Distribution
24-6043 Caltrans - City - County - Improvements	37,740	0	0	23,879	0	0	10,945	0	2,916	0	as Transmission/Distribution
24-6052 Pipe - Covers & Manholes	1,238,280	0	0	783,498	0	0	359,101	0	95,681	0	as Transmission/Distribution
24-6056 Radio Repairs - Replacement	1,020	0	0	645	0	0	296	0	79	0	as Transmission/Distribution
24-6071 Shop Supplies	9,690	0	0	6,131	0	0	2,810	0	749	0	as Transmission/Distribution
24-6073 Small Tools	12,240	0	0	7,745	0	0	3,550	0	946	0	as Transmission/Distribution
24-6075 Safety Equipment - Physicals	8,160	0	0	5,163	0	0	2,366	0	631	0	as Transmission/Distribution
24-6083 Standby Accommodations	5,100	0	0	3,227	0	0	1,479	0	394	0	as Transmission/Distribution
24-6200 Travel - Meetings - Education	9,665	0	0	6,115	0	0	2,803	0	747	0	as Transmission/Distribution
24-6250 Dues - Memberships - Certification	2,040	0	0	1,291	0	0	592	0	158	0	as Transmission/Distribution
24-6310 Telephone	3,570	0	0	2,259	0	0	1,035	0	276	0	as Transmission/Distribution
24-6360 Propane	306	0	0	194	0	0	89	0	24	0	as Transmission/Distribution
24-6520 Supplies	357	0	0	226	0	0	104	0	28	0	as Transmission/Distribution
24-6648 Construction & Excavation Permit	30,600	0	0	19,362	0	0	8,874	0	2,364	0	as Transmission/Distribution
Total Underground Repair	\$3,266,956	\$0	\$0	\$2,067,103	\$0	\$0	\$947,417	\$0	\$252,436	\$0	

South Tahoe PUD
Water Utility
Functionalization and Classification
Exhibit 12 - Revenue Requirement

	Total Expenses FY 2025	Customer Related									Basis of Classification
		Commodity (COM)	Capacity (CAP-S)	Capacity - Equiv. Meters (CAP-D)	Actual Customer (AC)	Weighted for:		Revenue Related (RR)	Fire Protection (FP)	Direct Assign. (DA)	
						Customer Acct/Svcs (WCA)	Meters & Svcs (WCMS)				
Pumps											
26-4101 Regular Salaries - Wages	\$613,302	\$257,587	\$355,715	\$0	\$0	\$0	\$0	\$0	\$0	\$0	as Pumping Facilities/Force Mains
26-4102 Wages Overtime	35,100	14,742	20,358	0	0	0	0	0	0	0	as Pumping Facilities/Force Mains
26-4103 Wages Double Time	5,940	2,495	3,445	0	0	0	0	0	0	0	as Pumping Facilities/Force Mains
26-4201 Wages - Part Time	21,060	8,845	12,215	0	0	0	0	0	0	0	as Pumping Facilities/Force Mains
26-4202 Wages - Part Time Overtime	1,080	454	626	0	0	0	0	0	0	0	as Pumping Facilities/Force Mains
26-4301 FICA Taxes	51,750	21,735	30,015	0	0	0	0	0	0	0	as Pumping Facilities/Force Mains
26-4302 Dental Self Insured	10,543	4,428	6,115	0	0	0	0	0	0	0	as Pumping Facilities/Force Mains
26-4303 Unemployment Insurance	0	0	0	0	0	0	0	0	0	0	as Pumping Facilities/Force Mains
26-4304 Vision	1,755	737	1,018	0	0	0	0	0	0	0	as Pumping Facilities/Force Mains
26-4305 Retirement Health Savings Account	9,274	3,895	5,379	0	0	0	0	0	0	0	as Pumping Facilities/Force Mains
26-4306 Workers Compensation	20,260	8,509	11,751	0	0	0	0	0	0	0	as Pumping Facilities/Force Mains
26-4308 Uniforms	3,417	1,435	1,982	0	0	0	0	0	0	0	as Pumping Facilities/Force Mains
26-4309 Health Savings Account - ER Portion	6,804	2,858	3,946	0	0	0	0	0	0	0	as Pumping Facilities/Force Mains
26-4310 ACWA Medical Insurance	141,211	59,309	81,902	0	0	0	0	0	0	0	as Pumping Facilities/Force Mains
26-4311 Life Insurance	1,223	514	709	0	0	0	0	0	0	0	as Pumping Facilities/Force Mains
26-4313 AFLAC Administrative fee - ER Portion	0	0	0	0	0	0	0	0	0	0	as Pumping Facilities/Force Mains
26-4314 Long Term Disability - Union	1,339	562	777	0	0	0	0	0	0	0	as Pumping Facilities/Force Mains
26-4315 CalPERS Classic ER Contribution	60,038	25,216	34,822	0	0	0	0	0	0	0	as Pumping Facilities/Force Mains
26-4325 CalPERS PEPR ER Contribution	27,041	11,357	15,684	0	0	0	0	0	0	0	as Pumping Facilities/Force Mains
26-4330 Health Savings Account Admin Fee - ER Portion	114	48	66	0	0	0	0	0	0	0	as Pumping Facilities/Force Mains
26-4405 Contractual Services	0	0	0	0	0	0	0	0	0	0	as Pumping Facilities/Force Mains
26-4610 Gasoline Expense	9,690	4,070	5,620	0	0	0	0	0	0	0	as Pumping Facilities/Force Mains
26-4620 Diesel	4,590	1,928	2,662	0	0	0	0	0	0	0	as Pumping Facilities/Force Mains
26-4630 Oil & Lubricants	561	236	325	0	0	0	0	0	0	0	as Pumping Facilities/Force Mains
26-4755 Hypochlorite	51,000	51,000	0	0	0	0	0	0	0	0	100% (COM)
26-4820 Office Supplies	714	300	414	0	0	0	0	0	0	0	as Pumping Facilities/Force Mains
26-6012 Mobile Equipment	153	64	89	0	0	0	0	0	0	0	as Pumping Facilities/Force Mains
26-6041 Buildings	3,672	1,542	2,130	0	0	0	0	0	0	0	as Pumping Facilities/Force Mains
26-6042 Grounds & Maintenance	25,500	10,710	14,790	0	0	0	0	0	0	0	as Pumping Facilities/Force Mains
26-6050 Wells	15,300	15,300	0	0	0	0	0	0	0	0	as Source of Supply
26-6051 Pump Stations	17,340	7,283	10,057	0	0	0	0	0	0	0	as Pumping Facilities/Force Mains
26-6054 Repair - Maintenance Water Tanks	15,300	0	0	9,681	0	0	4,437	0	1,182	0	63% (CAP-D)/ 29% (WCMS)/ 8% (FP)
26-6056 Radio Repairs - Replacement	281	118	163	0	0	0	0	0	0	0	as Pumping Facilities/Force Mains
26-6060 Pressure Reducing Valves	10,200	4,284	5,916	0	0	0	0	0	0	0	as Pumping Facilities/Force Mains
26-6071 Shop Supplies	9,180	3,856	5,324	0	0	0	0	0	0	0	as Pumping Facilities/Force Mains
26-6073 Small Tools	4,131	1,735	2,396	0	0	0	0	0	0	0	as Pumping Facilities/Force Mains
26-6075 Safety Equipment - Physicals	5,100	2,142	2,958	0	0	0	0	0	0	0	as Pumping Facilities/Force Mains
26-6083 Standby Accommodations	15,300	6,426	8,874	0	0	0	0	0	0	0	as Pumping Facilities/Force Mains
26-6200 Travel - Meetings - Education	9,639	4,048	5,591	0	0	0	0	0	0	0	as Pumping Facilities/Force Mains
26-6250 Dues - Memberships - Certification	2,040	857	1,183	0	0	0	0	0	0	0	as Pumping Facilities/Force Mains
26-6310 Telephone	2,142	900	1,242	0	0	0	0	0	0	0	as Pumping Facilities/Force Mains
26-6360 Propane	816	343	473	0	0	0	0	0	0	0	as Pumping Facilities/Force Mains
26-6520 Supplies	332	139	192	0	0	0	0	0	0	0	as Pumping Facilities/Force Mains
Total Pumps	\$1,214,233	\$542,006	\$656,927	\$9,681	\$0	\$0	\$4,437	\$0	\$1,182	\$0	

South Tahoe PUD
Water Utility
Functionalization and Classification
Exhibit 12 - Revenue Requirement

	Total Expenses FY 2025	Commodity (COM)	Capacity (CAP-S)	Capacity - Equiv. Meters (CAP-D)	Actual Customer (AC)	Customer Related		Revenue Related (RR)	Fire Protection (FP)	Direct Assign. (DA)	Basis of Classification
						Customer Acct/Svcs (WCA)	Meters & Svcs (WCMS)				
						Weighted for:					
Equipment Repair											
28-4101 Regular Salaries - Wages	\$168,006	\$26,661	\$9,684	\$83,306	\$0	\$0	\$38,182	\$0	\$10,173	\$0	as Plant Before General Plant
28-4102 Wages Overtime	10,800	1,714	623	5,355	0	0	2,454	0	654	0	as Plant Before General Plant
28-4103 Wages Double Time	162	26	9	80	0	0	37	0	10	0	as Plant Before General Plant
28-4201 Wages Part Time	9,720	1,542	560	4,820	0	0	2,209	0	589	0	as Plant Before General Plant
28-4301 FICA Taxes	14,434	2,291	832	7,157	0	0	3,280	0	874	0	as Plant Before General Plant
28-4302 Dental Self Insured	2,636	418	152	1,307	0	0	599	0	160	0	as Plant Before General Plant
28-4304 Vision	439	70	25	218	0	0	100	0	27	0	as Plant Before General Plant
28-4305 Retirement Health Savings Account	2,319	368	134	1,150	0	0	527	0	140	0	as Plant Before General Plant
28-4306 Workers Compensation	5,645	896	325	2,799	0	0	1,283	0	342	0	as Plant Before General Plant
28-4308 Uniforms	663	105	38	329	0	0	151	0	40	0	as Plant Before General Plant
28-4309 Health Savings Account - ER Portion	1,404	223	81	696	0	0	319	0	85	0	as Plant Before General Plant
28-4310 ACWA Medical Insurance	33,418	5,303	1,926	16,571	0	0	7,595	0	2,024	0	as Plant Before General Plant
28-4311 Life Insurance	301	48	17	149	0	0	68	0	18	0	as Plant Before General Plant
28-4313 AFLAC Administrative fee - ER Portion	0	0	0	0	0	0	0	0	0	0	as Plant Before General Plant
28-4314 Long Term Disability - Union	338	54	19	167	0	0	77	0	20	0	as Plant Before General Plant
28-4315 CalPERS Classic ER Contribution	32,685	5,187	1,884	16,207	0	0	7,428	0	1,979	0	as Plant Before General Plant
28-4325 CalPERS PEPPRA ER Contribution	3,420	543	197	1,696	0	0	777	0	207	0	as Plant Before General Plant
28-4330 Health Savings Account Admin Fee - ER Portion	19	3	1	10	0	0	4	0	1	0	as Plant Before General Plant
28-4610 Gasoline Expense	1,020	162	59	506	0	0	232	0	62	0	as Plant Before General Plant
28-4620 Diesel	1,020	162	59	506	0	0	232	0	62	0	as Plant Before General Plant
28-4630 Oil & Lubricants	4,590	728	265	2,276	0	0	1,043	0	278	0	as Plant Before General Plant
28-4820 Office Supplies	2,550	405	147	1,264	0	0	580	0	154	0	as Plant Before General Plant
28-6011 Automotive	34,476	5,471	1,987	17,095	0	0	7,835	0	2,088	0	as Plant Before General Plant
28-6012 Mobile Equipment	255	40	15	126	0	0	58	0	15	0	as Plant Before General Plant
28-6013 Generators	8,160	1,295	470	4,046	0	0	1,854	0	494	0	as Plant Before General Plant
28-6030 Service Contracts	10,812	1,716	623	5,361	0	0	2,457	0	655	0	as Plant Before General Plant
28-6071 Shop Supplies	4,080	647	235	2,023	0	0	927	0	247	0	as Plant Before General Plant
28-6073 Small Tools	1,530	243	88	759	0	0	348	0	93	0	as Plant Before General Plant
28-6075 Safety Equipment - Physicals	612	97	35	303	0	0	139	0	37	0	as Plant Before General Plant
28-6200 Travel - Meetings - Education	1,071	170	62	531	0	0	243	0	65	0	as Plant Before General Plant
28-6250 Dues - Memberships - Certification	204	32	12	101	0	0	46	0	12	0	as Plant Before General Plant
28-6520 Supplies	306	49	18	152	0	0	70	0	19	0	as Plant Before General Plant
Total Equipment Repair	\$357,094	\$56,668	\$20,584	\$177,065	\$0	\$0	\$81,154	\$0	\$21,623	\$0	

South Tahoe PUD
Water Utility
Functionalization and Classification
Exhibit 12 - Revenue Requirement

	Total Expenses FY 2025	Customer Related								Direct Assign. (DA)	Basis of Classification
		Commodity (COM)	Capacity (CAP-S)	Capacity - Equiv. Meters (CAP-D)	Actual Customer (AC)	Weighted for:		Revenue Related (RR)	Fire Protection (FP)		
						Customer Acct/Svcs (WCA)	Meters & Svcs (WCMS)				
Laboratory											
32-4101 Regular Salaries - Wages	\$276,206	\$116,006	\$160,199	\$0	\$0	\$0	\$0	\$0	\$0	\$0	42% (COM)/ 58% (CAP-S)
32-4102 Wages Overtime	10,260	4,309	5,951	0	0	0	0	0	0	0	42% (COM)/ 58% (CAP-S)
32-4103 Wages Double Time	2,970	1,247	1,723	0	0	0	0	0	0	0	42% (COM)/ 58% (CAP-S)
32-4201 Wages - Part Time	34,236	14,379	19,857	0	0	0	0	0	0	0	42% (COM)/ 58% (CAP-S)
32-4202 Wages - Part Time Overtime	216	91	125	0	0	0	0	0	0	0	42% (COM)/ 58% (CAP-S)
32-4203 Wages - Part Time Double Time	108	45	63	0	0	0	0	0	0	0	42% (COM)/ 58% (CAP-S)
32-4301 FICA Taxes	24,786	10,410	14,376	0	0	0	0	0	0	0	42% (COM)/ 58% (CAP-S)
32-4302 Dental Self Insured	4,393	1,845	2,548	0	0	0	0	0	0	0	42% (COM)/ 58% (CAP-S)
32-4304 Vision	731	307	424	0	0	0	0	0	0	0	42% (COM)/ 58% (CAP-S)
32-4305 Retirement Health Savings Account	4,449	1,868	2,580	0	0	0	0	0	0	0	42% (COM)/ 58% (CAP-S)
32-4306 Workers Compensation	5,017	2,107	2,910	0	0	0	0	0	0	0	42% (COM)/ 58% (CAP-S)
32-4308 Uniforms	612	257	355	0	0	0	0	0	0	0	42% (COM)/ 58% (CAP-S)
32-4309 Health Savings Account - ER Portion	4,104	1,724	2,380	0	0	0	0	0	0	0	42% (COM)/ 58% (CAP-S)
32-4310 ACWA Medical Insurance	38,337	16,101	22,235	0	0	0	0	0	0	0	42% (COM)/ 58% (CAP-S)
32-4311 Life Insurance	613	257	356	0	0	0	0	0	0	0	42% (COM)/ 58% (CAP-S)
32-4312 Long Term Disability - Management	506	212	293	0	0	0	0	0	0	0	42% (COM)/ 58% (CAP-S)
32-4313 AFLAC Administrative fee - ER Portion	0	0	0	0	0	0	0	0	0	0	42% (COM)/ 58% (CAP-S)
32-4314 Long Term Disability - Union	451	189	261	0	0	0	0	0	0	0	42% (COM)/ 58% (CAP-S)
32-4315 CalPERS Classic ER Contribution	36,875	15,488	21,388	0	0	0	0	0	0	0	42% (COM)/ 58% (CAP-S)
32-4325 CalPERS PEPPRA ER Contribution	11,116	4,669	6,447	0	0	0	0	0	0	0	42% (COM)/ 58% (CAP-S)
32-4330 Health Savings Account Admin Fee - ER Portion	77	32	44	0	0	0	0	0	0	0	42% (COM)/ 58% (CAP-S)
32-4405 Contractual Services	2,805	1,178	1,627	0	0	0	0	0	0	0	42% (COM)/ 58% (CAP-S)
32-4610 Gasoline Expense	1,632	685	947	0	0	0	0	0	0	0	42% (COM)/ 58% (CAP-S)
32-4760 Laboratory Supplies	32,640	13,709	18,931	0	0	0	0	0	0	0	42% (COM)/ 58% (CAP-S)
32-4790 Other Supplies	1,020	428	592	0	0	0	0	0	0	0	42% (COM)/ 58% (CAP-S)
32-4810 Postage Expenses	765	321	444	0	0	0	0	0	0	0	42% (COM)/ 58% (CAP-S)
32-4820 Office Supplies	2,040	857	1,183	0	0	0	0	0	0	0	42% (COM)/ 58% (CAP-S)
32-6025 Laboratory Equipment	6,630	2,785	3,845	0	0	0	0	0	0	0	42% (COM)/ 58% (CAP-S)
32-6030 Service Contracts	3,264	1,371	1,893	0	0	0	0	0	0	0	42% (COM)/ 58% (CAP-S)
32-6041 Buildings	510	214	296	0	0	0	0	0	0	0	42% (COM)/ 58% (CAP-S)
32-6042 Grounds & Maintenance	102	43	59	0	0	0	0	0	0	0	42% (COM)/ 58% (CAP-S)
32-6056 Radio Repairs - Replacement	153	64	89	0	0	0	0	0	0	0	42% (COM)/ 58% (CAP-S)
32-6075 Safety Equipment - Physicals	816	343	473	0	0	0	0	0	0	0	42% (COM)/ 58% (CAP-S)
32-6110 Monitoring	56,075	23,551	32,523	0	0	0	0	0	0	0	42% (COM)/ 58% (CAP-S)
32-6200 Travel - Meetings - Education	4,718	1,981	2,736	0	0	0	0	0	0	0	42% (COM)/ 58% (CAP-S)
32-6250 Dues - Memberships - Certification	3,672	1,542	2,130	0	0	0	0	0	0	0	42% (COM)/ 58% (CAP-S)
32-6520 Supplies	102	43	59	0	0	0	0	0	0	0	42% (COM)/ 58% (CAP-S)
32-6650 Regulatory Operating Permits	1,214	510	704	0	0	0	0	0	0	0	42% (COM)/ 58% (CAP-S)
Total Laboratory	\$574,219	\$241,172	\$333,047	\$0	\$0	\$0	\$0	\$0	\$0	\$0	

South Tahoe PUD
 Water Utility
 Functionalization and Classification
 Exhibit 12 - Revenue Requirement

	Total Expenses FY 2025	Customer Related								Direct Assign. (DA)	Basis of Classification
		Commodity (COM)	Capacity (CAP-S)	Capacity - Equiv. Meters (CAP-D)	Actual Customer (AC)	Weighted for:		Revenue Related (RR)	Fire Protection (FP)		
						Customer Acct/Svcs (WCA)	Meters & Svcs (WCMS)				
Administration											
40-4101 Regular Salaries - Wages	\$424,935	\$46,079	\$16,381	\$229,349	\$0	\$0	\$105,118	\$0	\$28,008	\$0	as Net Plant in Service
40-4102 Wages Overtime	84	9	3	45	0	0	21	0	6	0	as Net Plant in Service
40-4301 FICA Taxes	26,448	2,868	1,020	14,275	0	0	6,543	0	1,743	0	as Net Plant in Service
40-4302 Dental Self Insured	4,086	443	158	2,205	0	0	1,011	0	269	0	as Net Plant in Service
40-4304 Vision	680	74	26	367	0	0	168	0	45	0	as Net Plant in Service
40-4305 Retirement Health Savings Account	4,521	490	174	2,440	0	0	1,118	0	298	0	as Net Plant in Service
40-4306 Workers Compensation	2,259	245	87	1,219	0	0	559	0	149	0	as Net Plant in Service
40-4309 Health Savings Account - ER Portion	1,998	217	77	1,078	0	0	494	0	132	0	as Net Plant in Service
40-4310 ACWA Medical Insurance	26,307	2,853	1,014	14,198	0	0	6,508	0	1,734	0	as Net Plant in Service
40-4311 Life Insurance	628	68	24	339	0	0	155	0	41	0	as Net Plant in Service
40-4312 Long Term Disability - Management	1,286	139	50	694	0	0	318	0	85	0	as Net Plant in Service
40-4313 AFLAC Administrative fee - ER Portion	54	6	2	29	0	0	13	0	4	0	as Net Plant in Service
40-4314 Long Term Disability - Union	119	13	5	64	0	0	29	0	8	0	as Net Plant in Service
40-4315 CalPERS Classic ER Contribution	40,660	4,409	1,567	21,945	0	0	10,058	0	2,680	0	as Net Plant in Service
40-4325 CalPERS PEPRA ER Contribution	8,927	968	344	4,818	0	0	2,208	0	588	0	as Net Plant in Service
40-4330 Health Savings Account Admin Fee - ER Portion	38	4	1	20	0	0	9	0	2	0	as Net Plant in Service
40-4405 Contractual Services	55,386	6,006	2,135	29,893	0	0	13,701	0	3,651	0	as Net Plant in Service
40-4475 Legal - Special Projects	1,020	111	39	551	0	0	252	0	67	0	as Net Plant in Service
40-4480 Legal - Regular	510	55	20	275	0	0	126	0	34	0	as Net Plant in Service
40-4610 Gasoline Expense	1,122	122	43	606	0	0	278	0	74	0	as Net Plant in Service
40-4820 Office Supplies	1,836	199	71	991	0	0	454	0	121	0	as Net Plant in Service
40-4830 Subscription Expense	0	0	0	0	0	0	0	0	0	0	as Net Plant in Service
40-4920 Printing	102	11	4	55	0	0	25	0	7	0	as Net Plant in Service
40-6030 Service Contracts	663	72	26	358	0	0	164	0	44	0	as Net Plant in Service
40-6075 Safety Equipment - Physicals	102	11	4	55	0	0	25	0	7	0	as Net Plant in Service
40-6200 Travel - Meetings - Education	1,534	166	59	828	0	0	379	0	101	0	as Net Plant in Service
40-6250 Dues - Memberships - Certification	612	66	24	330	0	0	151	0	40	0	as Net Plant in Service
40-6520 Supplies	1,275	138	49	688	0	0	315	0	84	0	as Net Plant in Service
40-6621 Incentive & Recognition Program	4,743	514	183	2,560	0	0	1,173	0	313	0	as Net Plant in Service
Total Administration	\$611,935	\$66,357	\$23,589	\$330,278	\$0	\$0	\$151,377	\$0	\$40,334	\$0	
Board of Directors											
42-4101 Regular Salaries - Wages	\$12,960	\$5,443	\$7,517	\$0	\$0	\$0	\$0	\$0	\$0	\$0	42% (COM)/ 58% (CAP-S)
42-4301 FICA Taxes	991	416	575	0	0	0	0	0	0	0	42% (COM)/ 58% (CAP-S)
42-4302 Dental Self Insured	4,393	1,845	2,548	0	0	0	0	0	0	0	42% (COM)/ 58% (CAP-S)
42-4304 Vision	731	307	424	0	0	0	0	0	0	0	42% (COM)/ 58% (CAP-S)
42-4306 Workers Compensation	96	40	56	0	0	0	0	0	0	0	42% (COM)/ 58% (CAP-S)
42-4310 ACWA Medical Insurance	67,370	28,296	39,075	0	0	0	0	0	0	0	42% (COM)/ 58% (CAP-S)
42-4311 Life Insurance	134	56	77	0	0	0	0	0	0	0	42% (COM)/ 58% (CAP-S)
42-4315 CalPERS Classic ER Contribution	0	0	0	0	0	0	0	0	0	0	42% (COM)/ 58% (CAP-S)
42-4475 Legal - Special Projects	255	107	148	0	0	0	0	0	0	0	42% (COM)/ 58% (CAP-S)
42-4480 Legal - Regular	25,500	10,710	14,790	0	0	0	0	0	0	0	42% (COM)/ 58% (CAP-S)
42-4820 Office Supplies	969	407	562	0	0	0	0	0	0	0	42% (COM)/ 58% (CAP-S)
42-6200 Travel - Meetings - Education	255	107	148	0	0	0	0	0	0	0	42% (COM)/ 58% (CAP-S)
42-6250 Dues - Memberships - Certification	60,894	25,575	35,319	0	0	0	0	0	0	0	42% (COM)/ 58% (CAP-S)
42-6520 Supplies	255	107	148	0	0	0	0	0	0	0	42% (COM)/ 58% (CAP-S)
42-6610 Election Expense	0	0	0	0	0	0	0	0	0	0	42% (COM)/ 58% (CAP-S)
Total Board of Directors	\$174,804	\$73,418	\$101,386	\$0	\$0	\$0	\$0	\$0	\$0	\$0	

South Tahoe PUD
 Water Utility
 Functionalization and Classification
 Exhibit 12 - Revenue Requirement

	Total Expenses FY 2025	Customer Related									Basis of Classification
		Commodity (COM)	Capacity (CAP-S)	Capacity - Equiv. Meters (CAP-D)	Actual Customer (AC)	Weighted for:		Revenue Related (RR)	Fire Protection (FP)	Direct Assign. (DA)	
						Customer Acct/Svcs (WCA)	Meters & Svcs (WCMS)				
Human Resources											
44-4101 Regular Salaries - Wages	\$150,687	\$63,289	\$87,398	\$0	\$0	\$0	\$0	\$0	\$0	\$0	42% (COM)/ 58% (CAP-S)
44-4102 Wages Overtime	270	113	157	0	0	0	0	0	0	0	42% (COM)/ 58% (CAP-S)
44-4201 Wages - Part Time	0	0	0	0	0	0	0	0	0	0	42% (COM)/ 58% (CAP-S)
44-4301 FICA Taxes	11,038	4,636	6,402	0	0	0	0	0	0	0	42% (COM)/ 58% (CAP-S)
44-4302 Dental Self Insured	2,063	866	1,197	0	0	0	0	0	0	0	42% (COM)/ 58% (CAP-S)
44-4304 Vision	442	186	256	0	0	0	0	0	0	0	42% (COM)/ 58% (CAP-S)
44-4305 Retirement Health Savings Account	2,285	960	1,325	0	0	0	0	0	0	0	42% (COM)/ 58% (CAP-S)
44-4306 Workers Compensation	1,111	467	644	0	0	0	0	0	0	0	42% (COM)/ 58% (CAP-S)
44-4309 Health Savings Account - ER Portion	2,592	1,089	1,503	0	0	0	0	0	0	0	42% (COM)/ 58% (CAP-S)
44-4310 ACWA Medical Insurance	24,902	10,459	14,443	0	0	0	0	0	0	0	42% (COM)/ 58% (CAP-S)
44-4311 Life Insurance	573	241	332	0	0	0	0	0	0	0	42% (COM)/ 58% (CAP-S)
44-4312 Long Term Disability - Management	563	236	327	0	0	0	0	0	0	0	42% (COM)/ 58% (CAP-S)
44-4313 AFLAC Administrative fee - ER Portion	27	11	16	0	0	0	0	0	0	0	42% (COM)/ 58% (CAP-S)
44-4314 Long Term Disability - Union	112	47	65	0	0	0	0	0	0	0	42% (COM)/ 58% (CAP-S)
44-4315 CalPERS Classic ER Contribution	25,741	10,811	14,930	0	0	0	0	0	0	0	42% (COM)/ 58% (CAP-S)
44-4325 CalPERS PEPR ER Contribution	3,917	1,645	2,272	0	0	0	0	0	0	0	42% (COM)/ 58% (CAP-S)
44-4330 Health Savings Account Admin Fee - ER Portion	38	16	22	0	0	0	0	0	0	0	42% (COM)/ 58% (CAP-S)
44-4405 Contractual Services	25,500	10,710	14,790	0	0	0	0	0	0	0	42% (COM)/ 58% (CAP-S)
44-4445 Personnel Legal	10,200	4,284	5,916	0	0	0	0	0	0	0	42% (COM)/ 58% (CAP-S)
44-4810 Postage Expenses	77	32	44	0	0	0	0	0	0	0	42% (COM)/ 58% (CAP-S)
44-4820 Office Supplies	1,122	471	651	0	0	0	0	0	0	0	42% (COM)/ 58% (CAP-S)
44-4830 Subscription Expense	128	54	74	0	0	0	0	0	0	0	42% (COM)/ 58% (CAP-S)
44-4920 Printing	102	43	59	0	0	0	0	0	0	0	42% (COM)/ 58% (CAP-S)
44-4930 Ads-Legal Notices	7,676	3,224	4,452	0	0	0	0	0	0	0	42% (COM)/ 58% (CAP-S)
44-6030 Service Contracts	10,506	4,413	6,093	0	0	0	0	0	0	0	42% (COM)/ 58% (CAP-S)
44-6075 Safety Equipment - Physicals	2,601	1,092	1,509	0	0	0	0	0	0	0	42% (COM)/ 58% (CAP-S)
44-6079 Safety Programs	30,651	12,873	17,778	0	0	0	0	0	0	0	42% (COM)/ 58% (CAP-S)
44-6200 Travel - Meetings - Education	4,182	1,756	2,426	0	0	0	0	0	0	0	42% (COM)/ 58% (CAP-S)
44-6225 Staff Development	12,954	5,441	7,513	0	0	0	0	0	0	0	42% (COM)/ 58% (CAP-S)
44-6250 Dues - Memberships - Certification	918	386	532	0	0	0	0	0	0	0	42% (COM)/ 58% (CAP-S)
44-6520 Supplies	51	21	30	0	0	0	0	0	0	0	42% (COM)/ 58% (CAP-S)
44-6670 Personnel Expense	1,862	782	1,080	0	0	0	0	0	0	0	42% (COM)/ 58% (CAP-S)
Total Human Resources	\$334,888	\$140,653	\$194,235	\$0	\$0	\$0	\$0	\$0	\$0	\$0	

South Tahoe PUD
 Water Utility
 Functionalization and Classification
 Exhibit 12 - Revenue Requirement

	Total Expenses FY 2025	Customer Related								Direct Assign. (DA)	Basis of Classification
		Commodity (COM)	Capacity (CAP-S)	Capacity - Equiv. Meters (CAP-D)	Actual Customer (AC)	Weighted for:		Revenue Related (RR)	Fire Protection (FP)		
						Customer Acct/Svcs (WCA)	Meters & Svcs (WCMS)				
Finance											
50-4101 Regular Salaries - Wages	\$270,450	\$113,589	\$156,861	\$0	\$0	\$0	\$0	\$0	\$0	\$0	42% (COM)/ 58% (CAP-S)
50-4102 Wages Overtime	5,400	2,268	3,132	0	0	0	0	0	0	0	42% (COM)/ 58% (CAP-S)
50-4103 Wages Double Time	0	0	0	0	0	0	0	0	0	0	42% (COM)/ 58% (CAP-S)
50-4201 Wages - Part Time	0	0	0	0	0	0	0	0	0	0	42% (COM)/ 58% (CAP-S)
50-4301 FICA Taxes	19,497	8,189	11,308	0	0	0	0	0	0	0	42% (COM)/ 58% (CAP-S)
50-4302 Dental Self Insured	3,514	1,476	2,038	0	0	0	0	0	0	0	42% (COM)/ 58% (CAP-S)
50-4304 Vision	585	246	339	0	0	0	0	0	0	0	42% (COM)/ 58% (CAP-S)
50-4305 Retirement Health Savings Account	4,330	1,818	2,511	0	0	0	0	0	0	0	42% (COM)/ 58% (CAP-S)
50-4306 Workers Compensation	1,983	833	1,150	0	0	0	0	0	0	0	42% (COM)/ 58% (CAP-S)
50-4308 Uniforms	0	0	0	0	0	0	0	0	0	0	42% (COM)/ 58% (CAP-S)
50-4309 Health Savings Account - ER Portion	0	0	0	0	0	0	0	0	0	0	42% (COM)/ 58% (CAP-S)
50-4310 ACWA Medical Insurance	26,734	11,228	15,506	0	0	0	0	0	0	0	42% (COM)/ 58% (CAP-S)
50-4311 Life Insurance	605	254	351	0	0	0	0	0	0	0	42% (COM)/ 58% (CAP-S)
50-4312 Long Term Disability - Management	750	315	435	0	0	0	0	0	0	0	42% (COM)/ 58% (CAP-S)
50-4313 AFLAC Administrative fee - ER Portion	27	11	16	0	0	0	0	0	0	0	42% (COM)/ 58% (CAP-S)
50-4314 Long Term Disability - Union	321	135	186	0	0	0	0	0	0	0	42% (COM)/ 58% (CAP-S)
50-4315 CalPERS Classic ER Contribution	30,494	12,807	17,686	0	0	0	0	0	0	0	42% (COM)/ 58% (CAP-S)
50-4325 CalPERS PEPPRA ER Contribution	11,326	4,757	6,569	0	0	0	0	0	0	0	42% (COM)/ 58% (CAP-S)
50-4330 Health Savings Account Admin Fee - ER Portion	0	0	0	0	0	0	0	0	0	0	42% (COM)/ 58% (CAP-S)
50-4405 Contractual Services	2,550	1,071	1,479	0	0	0	0	0	0	0	42% (COM)/ 58% (CAP-S)
50-4440 Advisory	52,020	21,848	30,172	0	0	0	0	0	0	0	42% (COM)/ 58% (CAP-S)
50-4470 Auditing	29,886	12,552	17,334	0	0	0	0	0	0	0	42% (COM)/ 58% (CAP-S)
50-4475 Legal - Special Projects	255	107	148	0	0	0	0	0	0	0	42% (COM)/ 58% (CAP-S)
50-4480 Legal - Regular	510	214	296	0	0	0	0	0	0	0	42% (COM)/ 58% (CAP-S)
50-4610 Gasoline Expense	0	0	0	0	0	0	0	0	0	0	42% (COM)/ 58% (CAP-S)
50-4620 Diesel	0	0	0	0	0	0	0	0	0	0	42% (COM)/ 58% (CAP-S)
50-4810 Postage Expenses	51	21	30	0	0	0	0	0	0	0	42% (COM)/ 58% (CAP-S)
50-4820 Office Supplies	765	321	444	0	0	0	0	0	0	0	42% (COM)/ 58% (CAP-S)
50-4830 Subscription Expense	434	182	251	0	0	0	0	0	0	0	42% (COM)/ 58% (CAP-S)
50-4920 Printing	714	300	414	0	0	0	0	0	0	0	42% (COM)/ 58% (CAP-S)
50-4930 Ads-Legal Notices	306	129	177	0	0	0	0	0	0	0	42% (COM)/ 58% (CAP-S)
50-6027 Office Equipment Repair	77	32	44	0	0	0	0	0	0	0	42% (COM)/ 58% (CAP-S)
50-6030 Service Contracts	1,989	835	1,154	0	0	0	0	0	0	0	42% (COM)/ 58% (CAP-S)
50-6075 Safety Equipment - Physicals	102	43	59	0	0	0	0	0	0	0	42% (COM)/ 58% (CAP-S)
50-6200 Travel - Meetings - Education	2,397	1,007	1,390	0	0	0	0	0	0	0	42% (COM)/ 58% (CAP-S)
50-6250 Dues - Memberships - Certification	138	58	80	0	0	0	0	0	0	0	42% (COM)/ 58% (CAP-S)
50-6520 Supplies	255	107	148	0	0	0	0	0	0	0	42% (COM)/ 58% (CAP-S)
Total Finance	\$468,464	\$196,755	\$271,709	\$0	\$0	\$0	\$0	\$0	\$0	\$0	

South Tahoe PUD
Water Utility
Functionalization and Classification
Exhibit 12 - Revenue Requirement

	Total Expenses FY 2025	Commodity (COM)	Capacity (CAP-S)	Capacity - Equiv. Meters (CAP-D)	Actual Customer (AC)	Customer Related		Revenue Related (RR)	Fire Protection (FP)	Direct Assign. (DA)	Basis of Classification
						Customer Acct/Svcs (WCA)	Meters & Svcs (WCMS)				
Accounting											
52-4101 Regular Salaries - Wages	\$220,600	\$0	\$0	\$0	\$0	\$0	\$220,600	\$0	\$0	\$0	100% (WCMS)
52-4102 Wages Overtime	5,400	0	0	0	0	0	5,400	0	0	0	100% (WCMS)
52-4201 Wages - Part Time	6,480	0	0	0	0	0	6,480	0	0	0	100% (WCMS)
52-4301 FICA Taxes	17,784	0	0	0	0	0	17,784	0	0	0	100% (WCMS)
52-4302 Dental Self Insured	3,514	0	0	0	0	0	3,514	0	0	0	100% (WCMS)
52-4304 Vision	585	0	0	0	0	0	585	0	0	0	100% (WCMS)
52-4305 Retirement Health Savings Account	3,834	0	0	0	0	0	3,834	0	0	0	100% (WCMS)
52-4306 Workers Compensation	1,691	0	0	0	0	0	1,691	0	0	0	100% (WCMS)
52-4309 Health Savings Account - ER Portion	702	0	0	0	0	0	702	0	0	0	100% (WCMS)
52-4310 ACWA Medical Insurance	47,587	0	0	0	0	0	47,587	0	0	0	100% (WCMS)
52-4311 Life Insurance	539	0	0	0	0	0	539	0	0	0	100% (WCMS)
52-4312 Long Term Disability - Management	544	0	0	0	0	0	544	0	0	0	100% (WCMS)
52-4313 AFLAC Administrative fee - ER Portion	54	0	0	0	0	0	54	0	0	0	100% (WCMS)
52-4314 Long Term Disability - Union	338	0	0	0	0	0	338	0	0	0	100% (WCMS)
52-4315 CalPERS Classic ER Contribution	44,436	0	0	0	0	0	44,436	0	0	0	100% (WCMS)
52-4325 CalPERS PEPRER Contribution	4,594	0	0	0	0	0	4,594	0	0	0	100% (WCMS)
52-4330 Health Savings Account Admin Fee - ER Portion	19	0	0	0	0	0	19	0	0	0	100% (WCMS)
52-4405 Contractual Services	35,491	0	0	0	0	0	35,491	0	0	0	100% (WCMS)
52-4440 Advisory	357	0	0	0	0	0	357	0	0	0	100% (WCMS)
52-4810 Postage Expenses	26	0	0	0	0	0	26	0	0	0	100% (WCMS)
52-4820 Office Supplies	1,989	0	0	0	0	0	1,989	0	0	0	100% (WCMS)
52-4830 Subscription Expense	281	0	0	0	0	0	281	0	0	0	100% (WCMS)
52-4920 Printing	0	0	0	0	0	0	0	0	0	0	100% (WCMS)
52-4930 Ads-Legal Notices	0	0	0	0	0	0	0	0	0	0	100% (WCMS)
52-6030 Service Contracts	0	0	0	0	0	0	0	0	0	0	100% (WCMS)
52-6075 Safety Equipment - Physicals	102	0	0	0	0	0	102	0	0	0	100% (WCMS)
52-6200 Travel - Meetings - Education	3,825	0	0	0	0	0	3,825	0	0	0	100% (WCMS)
52-6230 Tuition & Reimbursement Program	0	0	0	0	0	0	0	0	0	0	100% (WCMS)
52-6250 Dues - Memberships - Certification	77	0	0	0	0	0	77	0	0	0	100% (WCMS)
52-6520 Supplies	204	0	0	0	0	0	204	0	0	0	100% (WCMS)
52-6730 Fiscal Agent Fees	31,549	0	0	0	0	0	31,549	0	0	0	100% (WCMS)
Total Accounting	\$432,600	\$0	\$0	\$0	\$0	\$0	\$432,600	\$0	\$0	\$0	

South Tahoe PUD
 Water Utility
 Functionalization and Classification
 Exhibit 12 - Revenue Requirement

	Total Expenses FY 2025	Customer Related							Revenue Related (RR)	Fire Protection (FP)	Direct Assign. (DA)	Basis of Classification
		Commodity (COM)	Capacity (CAP-S)	Capacity - Equiv. Meters (CAP-D)	Actual Customer (AC)	Weighted for:						
						Customer Acct/Svcs (WCA)	Meters & Svcs (WCMS)					
Public Affairs/Water Conservation												
46-4101 Regular Salaries - Wages	\$127,189	53,420	73,770	0	0	0	0	0	0	0	0 42% (COM)/ 58% (CAP-S)	
46-4201 Wages - Part Time	54,000	22,680	31,320	0	0	0	0	0	0	0	0 42% (COM)/ 58% (CAP-S)	
46-4202 Wages - Part Time Overtime	0	0	0	0	0	0	0	0	0	0	0 42% (COM)/ 58% (CAP-S)	
46-4301 FICA Taxes	11,796	4,954	6,842	0	0	0	0	0	0	0	0 42% (COM)/ 58% (CAP-S)	
46-4302 Dental Self Insured	1,757	738	1,019	0	0	0	0	0	0	0	0 42% (COM)/ 58% (CAP-S)	
46-4304 Vision	293	123	170	0	0	0	0	0	0	0	0 42% (COM)/ 58% (CAP-S)	
46-4305 Retirement Health Savings Account	2,091	878	1,213	0	0	0	0	0	0	0	0 42% (COM)/ 58% (CAP-S)	
46-4306 Workers Compensation	936	393	543	0	0	0	0	0	0	0	0 42% (COM)/ 58% (CAP-S)	
46-4309 Health Savings Account - ER Portion	1,296	544	752	0	0	0	0	0	0	0	0 42% (COM)/ 58% (CAP-S)	
46-4310 ACWA Medical Insurance	25,504	10,712	14,792	0	0	0	0	0	0	0	0 42% (COM)/ 58% (CAP-S)	
46-4311 Life Insurance	321	135	186	0	0	0	0	0	0	0	0 42% (COM)/ 58% (CAP-S)	
46-4312 Long Term Disability - Management	491	206	285	0	0	0	0	0	0	0	0 42% (COM)/ 58% (CAP-S)	
46-4314 Long Term Disability - Union	112	47	65	0	0	0	0	0	0	0	0 42% (COM)/ 58% (CAP-S)	
46-4315 CalPERS Classic ER Contribution	49,657	20,856	28,801	0	0	0	0	0	0	0	0 42% (COM)/ 58% (CAP-S)	
46-4330 Health Savings Account Admin Fee - ER Portion	19	8	11	0	0	0	0	0	0	0	0 42% (COM)/ 58% (CAP-S)	
46-4405 Contractual Services	31,544	13,248	18,295	0	0	0	0	0	0	0	0 42% (COM)/ 58% (CAP-S)	
46-4610 Gasoline Expense	0	0	0	0	0	0	0	0	0	0	0 42% (COM)/ 58% (CAP-S)	
46-4620 Diesel	0	0	0	0	0	0	0	0	0	0	0 42% (COM)/ 58% (CAP-S)	
46-4810 Postage Expenses	6,120	2,570	3,550	0	0	0	0	0	0	0	0 42% (COM)/ 58% (CAP-S)	
46-4820 Office Supplies	3,060	1,285	1,775	0	0	0	0	0	0	0	0 42% (COM)/ 58% (CAP-S)	
46-4830 Subscription Expense	0	0	0	0	0	0	0	0	0	0	0 42% (COM)/ 58% (CAP-S)	
46-4920 Printing	2,040	857	1,183	0	0	0	0	0	0	0	0 42% (COM)/ 58% (CAP-S)	
46-4930 Ads-Legal Notices	0	0	0	0	0	0	0	0	0	0	0 42% (COM)/ 58% (CAP-S)	
46-6072 Janitorial Supplies	0	0	0	0	0	0	0	0	0	0	0 42% (COM)/ 58% (CAP-S)	
46-6074 Janitorial Services	0	0	0	0	0	0	0	0	0	0	0 42% (COM)/ 58% (CAP-S)	
46-6075 Safety Equipment - Physicals	102	43	59	0	0	0	0	0	0	0	0 42% (COM)/ 58% (CAP-S)	
46-6200 Travel - Meetings - Education	2,550	1,071	1,479	0	0	0	0	0	0	0	0 42% (COM)/ 58% (CAP-S)	
46-6250 Dues - Memberships - Certification	842	353	488	0	0	0	0	0	0	0	0 42% (COM)/ 58% (CAP-S)	
46-6520 Supplies	102	43	59	0	0	0	0	0	0	0	0 42% (COM)/ 58% (CAP-S)	
46-6620 Public Relation Expense	31,875	13,388	18,488	0	0	0	0	0	0	0	0 42% (COM)/ 58% (CAP-S)	
46-6660 Water Conservation Supplies	10,200	4,284	5,916	0	0	0	0	0	0	0	0 42% (COM)/ 58% (CAP-S)	
46-6661 Toilet Rebate Program	7,650	3,213	4,437	0	0	0	0	0	0	0	0 42% (COM)/ 58% (CAP-S)	
46-6662 Clothes Washer Rebate Program	7,650	3,213	4,437	0	0	0	0	0	0	0	0 42% (COM)/ 58% (CAP-S)	
46-6663 Turf By-Back Program	63,725	26,764	36,960	0	0	0	0	0	0	0	0 42% (COM)/ 58% (CAP-S)	
46-6664 Water use Reduction Rebates	135,660	56,977	78,683	0	0	0	0	0	0	0	0 42% (COM)/ 58% (CAP-S)	
46-6665 Public Agency Rebates	44,727	18,785	25,942	0	0	0	0	0	0	0	0 42% (COM)/ 58% (CAP-S)	
Toilet Rebate Program	\$623,308	\$261,789	\$361,519	\$0	\$0	\$0	\$0	\$0	\$0	\$0		

South Tahoe PUD
 Water Utility
 Functionalization and Classification
 Exhibit 12 - Revenue Requirement

	Total Expenses FY 2025	Commodity (COM)	Capacity (CAP-S)	Capacity - Equiv. Meters (CAP-D)	Actual Customer (AC)	Customer Related		Revenue Related (RR)	Fire Protection (FP)	Direct Assign. (DA)	Basis of Classification
						Customer Acct/Svcs (WCA)	Meters & Svcs (WCMS)				
						Weighted for:					
Purchasing											
54-4101 Regular Salaries - Wages	\$125,007	\$52,503	\$72,504	\$0	\$0	\$0	\$0	\$0	\$0	\$0	42% (COM)/ 58% (CAP-S)
54-4102 Wages Overtime	378	159	219	0	0	0	0	0	0	0	42% (COM)/ 58% (CAP-S)
54-4301 FICA Taxes	9,563	4,017	5,547	0	0	0	0	0	0	0	42% (COM)/ 58% (CAP-S)
54-4302 Dental Self Insured	1,757	738	1,019	0	0	0	0	0	0	0	42% (COM)/ 58% (CAP-S)
54-4304 Vision	293	123	170	0	0	0	0	0	0	0	42% (COM)/ 58% (CAP-S)
54-4305 Retirement Health Savings Account	2,103	883	1,220	0	0	0	0	0	0	0	42% (COM)/ 58% (CAP-S)
54-4306 Workers Compensation	912	383	529	0	0	0	0	0	0	0	42% (COM)/ 58% (CAP-S)
54-4308 Uniforms	102	43	59	0	0	0	0	0	0	0	42% (COM)/ 58% (CAP-S)
54-4309 Health Savings Account - ER Portion	1,404	590	814	0	0	0	0	0	0	0	42% (COM)/ 58% (CAP-S)
54-4310 ACWA Medical Insurance	22,724	9,544	13,180	0	0	0	0	0	0	0	42% (COM)/ 58% (CAP-S)
54-4311 Life Insurance	274	115	159	0	0	0	0	0	0	0	42% (COM)/ 58% (CAP-S)
54-4312 Long Term Disability - Management	496	208	288	0	0	0	0	0	0	0	42% (COM)/ 58% (CAP-S)
54-4313 AFLAC Administrative fee - ER Portion	27	11	16	0	0	0	0	0	0	0	42% (COM)/ 58% (CAP-S)
54-4314 Long Term Disability - Union	112	47	65	0	0	0	0	0	0	0	42% (COM)/ 58% (CAP-S)
54-4315 CalPERS Classic ER Contribution	33,572	14,100	19,472	0	0	0	0	0	0	0	42% (COM)/ 58% (CAP-S)
54-4330 Health Savings Account Admin Fee - ER Portion	19	8	11	0	0	0	0	0	0	0	42% (COM)/ 58% (CAP-S)
54-4440 Advisory	102	43	59	0	0	0	0	0	0	0	42% (COM)/ 58% (CAP-S)
54-4480 Legal - Regular	561	236	325	0	0	0	0	0	0	0	42% (COM)/ 58% (CAP-S)
54-4610 Gasoline Expense	255	107	148	0	0	0	0	0	0	0	42% (COM)/ 58% (CAP-S)
54-4620 Diesel	77	32	44	0	0	0	0	0	0	0	42% (COM)/ 58% (CAP-S)
54-4810 Postage Expenses	26	11	15	0	0	0	0	0	0	0	42% (COM)/ 58% (CAP-S)
54-4820 Office Supplies	663	278	385	0	0	0	0	0	0	0	42% (COM)/ 58% (CAP-S)
54-4830 Subscription Expense	26	11	15	0	0	0	0	0	0	0	42% (COM)/ 58% (CAP-S)
54-4920 Printing	0	0	0	0	0	0	0	0	0	0	42% (COM)/ 58% (CAP-S)
54-4930 Ads-Legal Notices	612	257	355	0	0	0	0	0	0	0	42% (COM)/ 58% (CAP-S)
54-6030 Service Contracts	1,367	574	793	0	0	0	0	0	0	0	42% (COM)/ 58% (CAP-S)
54-6072 Janitorial Supplies	5,100	2,142	2,958	0	0	0	0	0	0	0	42% (COM)/ 58% (CAP-S)
54-6074 Janitorial Services	26,418	11,096	15,322	0	0	0	0	0	0	0	42% (COM)/ 58% (CAP-S)
54-6075 Safety Equipment - Physicals	102	43	59	0	0	0	0	0	0	0	42% (COM)/ 58% (CAP-S)
54-6200 Travel - Meetings - Education	1,770	743	1,026	0	0	0	0	0	0	0	42% (COM)/ 58% (CAP-S)
54-6250 Dues - Memberships - Certification	77	32	44	0	0	0	0	0	0	0	42% (COM)/ 58% (CAP-S)
54-6520 Supplies	51	21	30	0	0	0	0	0	0	0	42% (COM)/ 58% (CAP-S)
Total Purchasing	\$235,948	\$99,098	\$136,850	\$0	\$0	\$0	\$0	\$0	\$0	\$0	

South Tahoe PUD
 Water Utility
 Functionalization and Classification
 Exhibit 12 - Revenue Requirement

	Total Expenses FY 2025	Commodity (COM)	Capacity (CAP-S)	Capacity - Equiv. Meters (CAP-D)	Actual Customer (AC)	Customer Related		Revenue Related (RR)	Fire Protection (FP)	Direct Assign. (DA)	Basis of Classification
						Customer Acct/Svcs (WCA)	Meters & Svcs (WCMS)				
						Weighted for:					
Information Technology											
56-4101 Regular Salaries - Wages	\$340,952	\$143,200	\$197,752	\$0	\$0	\$0	\$0	\$0	\$0	\$0	42% (COM)/ 58% (CAP-S)
56-4102 Wages Overtime	8,100	3,402	4,698	0	0	0	0	0	0	0	42% (COM)/ 58% (CAP-S)
56-4103 Wages Double Time	0	0	0	0	0	0	0	0	0	0	42% (COM)/ 58% (CAP-S)
56-4301 FICA Taxes	26,049	10,940	15,108	0	0	0	0	0	0	0	42% (COM)/ 58% (CAP-S)
56-4302 Dental Self Insured	4,393	1,845	2,548	0	0	0	0	0	0	0	42% (COM)/ 58% (CAP-S)
56-4304 Vision	731	307	424	0	0	0	0	0	0	0	42% (COM)/ 58% (CAP-S)
56-4305 Retirement Health Savings Account	4,738	1,990	2,748	0	0	0	0	0	0	0	42% (COM)/ 58% (CAP-S)
56-4306 Workers Compensation	2,551	1,071	1,480	0	0	0	0	0	0	0	42% (COM)/ 58% (CAP-S)
56-4309 Health Savings Account - ER Portion	2,592	1,089	1,503	0	0	0	0	0	0	0	42% (COM)/ 58% (CAP-S)
56-4310 ACWA Medical Insurance	53,523	22,480	31,043	0	0	0	0	0	0	0	42% (COM)/ 58% (CAP-S)
56-4311 Life Insurance	674	283	391	0	0	0	0	0	0	0	42% (COM)/ 58% (CAP-S)
56-4312 Long Term Disability - Management	613	257	356	0	0	0	0	0	0	0	42% (COM)/ 58% (CAP-S)
56-4313 AFLAC Administrative fee - ER Portion	27	11	16	0	0	0	0	0	0	0	42% (COM)/ 58% (CAP-S)
56-4314 Long Term Disability - Union	451	189	261	0	0	0	0	0	0	0	42% (COM)/ 58% (CAP-S)
56-4315 CalPERS Classic ER Contribution	46,108	19,365	26,743	0	0	0	0	0	0	0	42% (COM)/ 58% (CAP-S)
56-4325 CalPERS PEPR ER Contribution	12,618	5,300	7,319	0	0	0	0	0	0	0	42% (COM)/ 58% (CAP-S)
56-4330 Health Savings Account Admin Fee - ER Portion	38	16	22	0	0	0	0	0	0	0	42% (COM)/ 58% (CAP-S)
56-4405 Contractual Services	32,640	13,709	18,931	0	0	0	0	0	0	0	42% (COM)/ 58% (CAP-S)
56-4810 Postage Expenses	77	32	44	0	0	0	0	0	0	0	42% (COM)/ 58% (CAP-S)
56-4820 Office Supplies	3,060	1,285	1,775	0	0	0	0	0	0	0	42% (COM)/ 58% (CAP-S)
56-4830 Subscription Expense	179	75	104	0	0	0	0	0	0	0	42% (COM)/ 58% (CAP-S)
56-4840 District Computer Supplies	32,640	13,709	18,931	0	0	0	0	0	0	0	42% (COM)/ 58% (CAP-S)
56-4845 Computer Purchases	45,237	19,000	26,237	0	0	0	0	0	0	0	42% (COM)/ 58% (CAP-S)
56-6030 Service Contracts	294,951	123,880	171,072	0	0	0	0	0	0	0	42% (COM)/ 58% (CAP-S)
56-6075 Safety Equipment - Physicals	204	86	118	0	0	0	0	0	0	0	42% (COM)/ 58% (CAP-S)
56-6200 Travel - Meetings - Education	15,300	6,426	8,874	0	0	0	0	0	0	0	42% (COM)/ 58% (CAP-S)
56-6250 Dues - Memberships - Certification	867	364	503	0	0	0	0	0	0	0	42% (COM)/ 58% (CAP-S)
56-6310 Telephone	663	278	385	0	0	0	0	0	0	0	42% (COM)/ 58% (CAP-S)
56-6520 Supplies	255	107	148	0	0	0	0	0	0	0	42% (COM)/ 58% (CAP-S)
Total Information Technology	\$930,230	\$390,697	\$539,533	\$0	\$0	\$0	\$0	\$0	\$0	\$0	

South Tahoe PUD
Water Utility
Functionalization and Classification
Exhibit 12 - Revenue Requirement

	Total Expenses FY 2025	Commodity (COM)	Capacity (CAP-S)	Capacity - Equiv. Meters (CAP-D)	Actual Customer (AC)	Customer Related		Revenue Related (RR)	Fire Protection (FP)	Direct Assign. (DA)	Basis of Classification
						Customer Acct/Svcs (WCA)	Meters & Svcs (WCMS)				
						Weighted for:					
Customer Service											
60-4101 Regular Salaries - Wages	\$261,915	\$0	\$0	\$0	\$0	\$0	\$261,915	\$0	\$0	\$0	100% (WCMS)
60-4102 Wages Overtime	3,510	0	0	0	0	0	3,510	0	0	0	100% (WCMS)
60-4301 FICA Taxes	20,305	0	0	0	0	0	20,305	0	0	0	100% (WCMS)
60-4302 Dental Self Insured	5,272	0	0	0	0	0	5,272	0	0	0	100% (WCMS)
60-4304 Vision	878	0	0	0	0	0	878	0	0	0	100% (WCMS)
60-4305 Retirement Health Savings Account	5,013	0	0	0	0	0	5,013	0	0	0	100% (WCMS)
60-4306 Workers Compensation	1,946	0	0	0	0	0	1,946	0	0	0	100% (WCMS)
60-4308 Uniforms	0	0	0	0	0	0	0	0	0	0	100% (WCMS)
60-4309 Health Savings Account - ER Portion	3,402	0	0	0	0	0	3,402	0	0	0	100% (WCMS)
60-4310 ACWA Medical Insurance	61,608	0	0	0	0	0	61,608	0	0	0	100% (WCMS)
60-4311 Life Insurance	701	0	0	0	0	0	701	0	0	0	100% (WCMS)
60-4312 Long Term Disability - Management	450	0	0	0	0	0	450	0	0	0	100% (WCMS)
60-4313 AFLAC Administrative fee - ER Portion	27	0	0	0	0	0	27	0	0	0	100% (WCMS)
60-4314 Long Term Disability - Union	514	0	0	0	0	0	514	0	0	0	100% (WCMS)
60-4315 CalPERS Classic ER Contribution	19,886	0	0	0	0	0	19,886	0	0	0	100% (WCMS)
60-4325 CalPERS PEPRER Contribution	19,340	0	0	0	0	0	19,340	0	0	0	100% (WCMS)
60-4330 Health Savings Account Admin Fee - ER Portion	57	0	0	0	0	0	57	0	0	0	100% (WCMS)
60-4405 Contractual Services	0	0	0	0	0	0	0	0	0	0	100% (WCMS)
60-4475 Legal - Special Projects	1,530	0	0	0	0	0	1,530	0	0	0	100% (WCMS)
60-4476 Legal Litigation Confidential	0	0	0	0	0	0	0	0	0	0	100% (WCMS)
60-4480 Legal - Regular	5,100	0	0	0	0	0	5,100	0	0	0	100% (WCMS)
60-4520 Miscellaneous Liability Claims	1,020	0	0	0	0	0	1,020	0	0	0	100% (WCMS)
60-4521 CSRMA Liability Claims	0	0	0	0	0	0	0	0	0	0	100% (WCMS)
60-4610 Gasoline Expense	0	0	0	0	0	0	0	0	0	0	100% (WCMS)
60-4810 Postage Expenses	48,195	0	0	0	0	0	48,195	0	0	0	100% (WCMS)
60-4820 Office Supplies	2,346	0	0	0	0	0	2,346	0	0	0	100% (WCMS)
60-4920 Printing	24,990	0	0	0	0	0	24,990	0	0	0	100% (WCMS)
60-4930 Ads-Legal Notices	1,530	0	0	0	0	0	1,530	0	0	0	100% (WCMS)
60-5020 Equipment Rental - Lease	2,234	0	0	0	0	0	2,234	0	0	0	100% (WCMS)
60-6027 Office Equipment Repair	102	0	0	0	0	0	102	0	0	0	100% (WCMS)
60-6030 Service Contracts	102,000	0	0	0	0	0	102,000	0	0	0	100% (WCMS)
60-6045 Water Meters & Parts	0	0	0	0	0	0	0	0	0	0	100% (WCMS)
60-6071 Shop Supplies	0	0	0	0	0	0	0	0	0	0	100% (WCMS)
60-6073 Small Tools	0	0	0	0	0	0	0	0	0	0	100% (WCMS)
60-6075 Safety Equipment - Physicals	204	0	0	0	0	0	204	0	0	0	100% (WCMS)
60-6200 Travel - Meetings - Education	6,038	0	0	0	0	0	6,038	0	0	0	100% (WCMS)
60-6250 Dues - Memberships - Certification	683	0	0	0	0	0	683	0	0	0	100% (WCMS)
60-6310 Telephone	133	0	0	0	0	0	133	0	0	0	100% (WCMS)
60-6520 Supplies	255	0	0	0	0	0	255	0	0	0	100% (WCMS)
60-6640 Bad Debt Expense	5,100	0	0	0	0	0	5,100	0	0	0	100% (WCMS)
Total Customer Service	\$606,284	\$0	\$0	\$0	\$0	\$0	\$606,284	\$0	\$0	\$0	

South Tahoe PUD
 Water Utility
 Functionalization and Classification
 Exhibit 12 - Revenue Requirement

	Total Expenses FY 2025	Commodity (COM)	Capacity (CAP-S)	Capacity - Equiv. Meters (CAP-D)	Actual Customer (AC)	Customer Related		Revenue Related (RR)	Fire Protection (FP)	Direct Assign. (DA)	Basis of Classification
						Customer Acct/Svcs (WCA)	Meters & Svcs (WCMS)				
Inspections											
62-4101 Regular Salaries - Wages	\$313,481	\$0	\$0	\$198,349	\$0	\$0	\$90,909	\$0	\$24,222	\$0	63% (CAP-D)/ 29% (WCMS)/ 8% (FP)
62-4102 Wages Overtime	3,510	0	0	2,221	0	0	1,018	0	271	0	63% (CAP-D)/ 29% (WCMS)/ 8% (FP)
62-4201 Wages - Part Time	41,472	0	0	26,241	0	0	12,027	0	3,205	0	63% (CAP-D)/ 29% (WCMS)/ 8% (FP)
62-4202 Wages - Part Time Overtime	108	0	0	68	0	0	31	0	8	0	63% (CAP-D)/ 29% (WCMS)/ 8% (FP)
62-4301 FICA Taxes	24,248	0	0	15,343	0	0	7,032	0	1,874	0	63% (CAP-D)/ 29% (WCMS)/ 8% (FP)
62-4302 Dental Self Insured	5,272	0	0	3,335	0	0	1,529	0	407	0	63% (CAP-D)/ 29% (WCMS)/ 8% (FP)
62-4304 Vision	878	0	0	555	0	0	254	0	68	0	63% (CAP-D)/ 29% (WCMS)/ 8% (FP)
62-4305 Retirement Health Savings Account	4,636	0	0	2,934	0	0	1,345	0	358	0	63% (CAP-D)/ 29% (WCMS)/ 8% (FP)
62-4306 Workers Compensation	7,864	0	0	4,976	0	0	2,281	0	608	0	63% (CAP-D)/ 29% (WCMS)/ 8% (FP)
62-4308 Uniforms	765	0	0	484	0	0	222	0	59	0	63% (CAP-D)/ 29% (WCMS)/ 8% (FP)
62-4309 Health Savings Account - ER Portion	2,808	0	0	1,777	0	0	814	0	217	0	63% (CAP-D)/ 29% (WCMS)/ 8% (FP)
62-4310 ACWA Medical Insurance	55,933	0	0	35,391	0	0	16,221	0	4,322	0	63% (CAP-D)/ 29% (WCMS)/ 8% (FP)
62-4311 Life Insurance	603	0	0	381	0	0	175	0	47	0	63% (CAP-D)/ 29% (WCMS)/ 8% (FP)
62-4313 AFLAC Administrative fee - ER Portion	27	0	0	17	0	0	8	0	2	0	63% (CAP-D)/ 29% (WCMS)/ 8% (FP)
62-4314 Long Term Disability - Union	675	0	0	427	0	0	196	0	52	0	63% (CAP-D)/ 29% (WCMS)/ 8% (FP)
62-4315 CalPERS Classic ER Contribution	47,587	0	0	30,110	0	0	13,800	0	3,677	0	63% (CAP-D)/ 29% (WCMS)/ 8% (FP)
62-4325 CalPERS PEPRER Contribution	10,206	0	0	6,458	0	0	2,960	0	789	0	63% (CAP-D)/ 29% (WCMS)/ 8% (FP)
62-4330 Health Savings Account Admin Fee - ER Portion	57	0	0	36	0	0	17	0	4	0	63% (CAP-D)/ 29% (WCMS)/ 8% (FP)
62-4405 Contractual Services	0	0	0	0	0	0	0	0	0	0	63% (CAP-D)/ 29% (WCMS)/ 8% (FP)
62-4610 Gasoline Expense	4,386	0	0	2,775	0	0	1,272	0	339	0	63% (CAP-D)/ 29% (WCMS)/ 8% (FP)
62-4820 Office Supplies	255	0	0	161	0	0	74	0	20	0	63% (CAP-D)/ 29% (WCMS)/ 8% (FP)
62-6030 Service Contracts	2,805	0	0	1,775	0	0	813	0	217	0	63% (CAP-D)/ 29% (WCMS)/ 8% (FP)
62-6045 Water Meters & Parts	153,000	0	0	96,808	0	0	44,370	0	11,822	0	63% (CAP-D)/ 29% (WCMS)/ 8% (FP)
62-6071 Shop Supplies	3,060	0	0	1,936	0	0	887	0	236	0	63% (CAP-D)/ 29% (WCMS)/ 8% (FP)
62-6073 Small Tools	204	0	0	129	0	0	59	0	16	0	63% (CAP-D)/ 29% (WCMS)/ 8% (FP)
62-6075 Safety Equipment - Physicals	357	0	0	226	0	0	104	0	28	0	63% (CAP-D)/ 29% (WCMS)/ 8% (FP)
62-6200 Travel - Meetings - Education	5,483	0	0	3,469	0	0	1,590	0	424	0	63% (CAP-D)/ 29% (WCMS)/ 8% (FP)
62-6250 Dues - Memberships - Certification	2,423	0	0	1,533	0	0	703	0	187	0	63% (CAP-D)/ 29% (WCMS)/ 8% (FP)
62-6310 Telephone	2,040	0	0	1,291	0	0	592	0	158	0	63% (CAP-D)/ 29% (WCMS)/ 8% (FP)
62-6520 Supplies	51	0	0	32	0	0	15	0	4	0	63% (CAP-D)/ 29% (WCMS)/ 8% (FP)
Total Inspections	\$694,193	\$0	\$0	\$439,237	\$0	\$0	\$201,316	\$0	\$53,640	\$0	

South Tahoe PUD
Water Utility
Functionalization and Classification
Exhibit 12 - Revenue Requirement

	Total Expenses FY 2025	Customer Related									Basis of Classification
		Commodity (COM)	Capacity (CAP-S)	Capacity - Equiv. Meters (CAP-D)	Actual Customer (AC)	Weighted for:		Revenue Related (RR)	Fire Protection (FP)	Direct Assign. (DA)	
					Customer Acct/Svcs (WCA)	Meters & Svcs (WCMS)					
Non Crew											
80-4510 Insurance Expense	\$314,160	\$49,854	\$18,109	\$155,776	\$0	\$0	\$71,397	\$0	\$19,023	\$0 as Plant Before General Plant	
80-4810 Postage Expenses	306	49	18	152	0	0	70	0	19	0 as Plant Before General Plant	
80-5020 Equipment Rental - Lease	0	0	0	0	0	0	0	0	0	0 as Plant Before General Plant	
80-6075 Safety Equipment - Physicals	510	81	29	253	0	0	116	0	31	0 as Plant Before General Plant	
80-6310 Telephone	25,500	4,047	1,470	12,644	0	0	5,795	0	1,544	0 as Plant Before General Plant	
80-6330 Electricity	1,295,400	205,569	74,669	642,324	0	0	294,397	0	78,441	0 as Plant Before General Plant	
80-6340 Water	14,280	2,266	823	7,081	0	0	3,245	0	865	0 as Plant Before General Plant	
80-6350 Natural Gas	35,700	5,665	2,058	17,702	0	0	8,113	0	2,162	0 as Plant Before General Plant	
80-6360 Propane	0	0	0	0	0	0	0	0	0	0 as Plant Before General Plant	
80-6370 Refuse Disposal	2,346	372	135	1,163	0	0	533	0	142	0 as Plant Before General Plant	
80-6380 Other Utilities	0	0	0	0	0	0	0	0	0	0 as Plant Before General Plant	
80-6410 Miscellaneous Corrections	0	0	0	0	0	0	0	0	0	0 as Plant Before General Plant	
80-6520 Supplies	102	16	6	51	0	0	23	0	6	0 as Plant Before General Plant	
80-6635 LAFCO Administrative Costs	16,932	2,687	976	8,396	0	0	3,848	0	1,025	0 as Plant Before General Plant	
80-6750 Contingency Fund	153,000	24,280	8,819	75,865	0	0	34,771	0	9,265	0 as Plant Before General Plant	
Total Non Crew	\$1,858,236	\$294,886	\$107,112	\$921,406	\$0	\$0	\$422,309	\$0	\$112,523	\$0	
80-Adj Adjust to Financial Plan	0	0	0	0	0	0	0	0	0	0 as Plant Before General Plant	
Total Operations & Maintenance Expense	\$1,942,108	\$4,482,448	\$3,186,257	\$3,944,772	\$0	\$0	\$2,846,895	\$0	\$481,737	\$0	
Rate Funded Capital	9,774,028	1,551,052	563,394	4,846,452	0	0	2,221,279	0	591,851	0 as Plant in Service	
Debt Service											
2001, 2013, 2017, Amortization	\$9,051	\$0	\$0	\$9,051	\$0	\$0	\$0	\$0	\$0	\$0 100% (CAP-D)	
2013 Waterline /Refunding	475,571	0	0	300,909	0	0	137,916	0	36,747	0 as Transmission/Distribution	
Meter Loan 1	120,198	0	0	0	0	0	120,198	0	0	0 100% (WCMS)	
Meter Loan 2	64,621	0	0	0	0	0	64,621	0	0	0 100% (WCMS)	
Meter Loan 3-5	434,772	0	0	0	0	0	434,772	0	0	0 100% (WCMS)	
SRF Waterline Program	155,342	0	0	98,290	0	0	45,049	0	12,003	0 as Transmission/Distribution	
SRF Keller/Heavenly Imp.	310,958	0	0	196,752	0	0	90,178	0	24,028	0 as Transmission/Distribution	
Water Line Program #2	359,010	0	0	227,157	0	0	104,113	0	27,741	0 as Transmission/Distribution	
Water Line Program #3	0	0	0	0	0	0	0	0	0	0 as Transmission/Distribution	
Water Line Program #4	0	0	0	0	0	0	0	0	0	0 as Transmission/Distribution	
Misc. Water Projects	0	0	0	0	0	0	0	0	0	0 as Transmission/Distribution	
Waterline Replacement Project #5	0	0	0	0	0	0	0	0	0	0 as Transmission/Distribution	
Waterline Replacement Project #6	0	0	0	0	0	0	0	0	0	0 as Transmission/Distribution	
Waterline Replacement Project #7	0	0	0	0	0	0	0	0	0	0 as Transmission/Distribution	
New Low Interest Loan	0	0	0	0	0	0	0	0	0	0 as Plant Before General Plant	
New Revenue Bond	0	0	0	0	0	0	0	0	0	0 as Plant Before General Plant	
Total Debt Service	\$1,929,523	\$0	\$0	\$832,158	\$0	\$0	\$996,846	\$0	\$100,518	\$0	

South Tahoe PUD
Water Utility
Functionalization and Classification
Exhibit 12 - Revenue Requirement

	Total Expenses FY 2025	Customer Related							Revenue Related (RR)	Fire Protection (FP)	Direct Assign. (DA)	Basis of Classification
		Commodity (COM)	Capacity (CAP-S)	Capacity - Equiv. Meters (CAP-D)	Actual Customer (AC)	Weighted for:						
						Customer Acct/Svcs (WCA)	Meters & Svcs (WCMS)					
To / (From) Reserves												
To / (From) Operating Reserve	\$937,017	\$937,017	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	100% (COM)	
To / (From) Capital Reserve	(1,000,000)	(1,000,000)	0	0	0	0	0	0	0	0	100% (COM)	
To / (From) Capital for Debt Principal	(1,453,550)	(1,453,550)	0	0	0	0	0	0	0	0	100% (COM)	
To / (From) Rate Stabilization	0	0	0	0	0	0	0	0	0	0	100% (COM)	
To / (From) Debt Reserve	0	0	0	0	0	0	0	0	0	0	100% (COM)	
sf) of Fund Adjustment to Propose Rates	0	0	0	0	0	0	0	0	0	0	100% (COM)	
Total To / (From) Reserves	(\$1,516,533)	(\$1,516,533)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0		
Total Revenue Requirements	\$25,129,126	\$4,516,967	\$3,749,650	\$9,623,382	\$0	\$0	\$6,065,020	\$0	\$1,174,107	\$0		
Less: Other Income												
Repairs	\$5,025	\$1,507	\$1,072	\$1,327	\$0	\$0	\$957	\$0	\$162	\$0	as O&M Expense	
Sale/Resale Service Charge Revenue	0	0	0	0	0	0	0	0	0	0	as O&M Expense	
Interfund Service Charge Revenue	0	0	0	0	0	0	0	0	0	0	as O&M Expense	
Service Call - Water Exemption Fees	3,015	904	643	796	0	0	574	0	97	0	as O&M Expense	
Physical Connection Fee	304,515	91,351	64,935	80,393	0	0	58,019	0	9,818	0	as O&M Expense	
Secured Taxes	3,977,600	1,193,231	848,184	1,050,101	0	0	757,845	0	128,239	0	as O&M Expense	
Sale of Surplus Assets	0	0	0	0	0	0	0	0	0	0	as O&M Expense	
Realized Gain - Loss on Investment	0	0	0	0	0	0	0	0	0	0	as O&M Expense	
Fair Market Value Unrealized Gain/Loss	0	0	0	0	0	0	0	0	0	0	as O&M Expense	
Rents and Leases	220,095	66,026	46,933	58,106	0	0	41,934	0	7,096	0	as O&M Expense	
Federal Aid	3,186,000	955,761	679,383	841,116	0	0	607,023	0	102,717	0	as O&M Expense	
State Aid	0	0	0	0	0	0	0	0	0	0	as O&M Expense	
Interest /Pentalty Charges	99,000	29,699	21,111	26,136	0	0	18,862	0	3,192	0	as O&M Expense	
Fire Hydrant Permits	20,100	0	0	0	0	0	0	0	20,100	0	100% (FP)	
Admin Fee - New Service	0	0	0	0	0	0	0	0	0	0	as O&M Expense	
Water Admin/Permit Fee	13,065	3,919	2,786	3,449	0	0	2,489	0	421	0	as O&M Expense	
Contractor Plans & Specs Fee	0	0	0	0	0	0	0	0	0	0	as O&M Expense	
Other Miscellaneous Income	47,235	14,170	10,072	12,470	0	0	9,000	0	1,523	0	as O&M Expense	
Lab Monitoring Revenue	40,200	40,200	0	0	0	0	0	0	0	0	100% (COM)	
Water & Fire Meter Sales	0	0	0	0	0	0	0	0	0	0	100% (WCMS)	
Local Aid	321,600	96,476	68,578	84,904	0	0	61,274	0	10,368	0	as O&M Expense	
Low Income	(66,014)	(19,803)	(14,077)	(17,428)	0	0	(12,578)	0	(2,128)	0	as O&M Expense	
Investment Interest	158,723	47,615	33,846	41,903	0	0	30,241	0	5,117	0	as O&M Expense	
Total Other Income	\$8,330,159	\$2,521,056	\$1,763,466	\$2,183,273	\$0	\$0	\$1,575,642	\$0	\$286,722	\$0		
Net Revenue Requirements	\$16,798,967	\$1,995,912	\$1,986,185	\$7,440,109	\$0	\$0	\$4,489,377	\$0	\$887,384	\$0		

South Tahoe PUD
Water Utility
Cost of Service Summary
Exhibit 13 - Allocation by Component - COM, CAP & DA

Classification Components	FY 2025	Residential			Multifamily	Commercial
		Tier 1	Tier 2	Flat Rate		
Commodity	\$1,995,912	\$757,989	\$249,326	\$5,709.69	\$341,318	\$641,569
Capacity	\$1,986,185	\$616,353	\$425,891	\$4,643	\$319,166	\$620,132
Direct Assignment	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$3,982,097	\$1,374,342	\$675,217	\$10,352	\$660,485	\$1,261,701

South Tahoe PUD
Water Utility
Cost of Service Summary
Exhibit 14 - Allocation by Component - Cust. Fire, Rev.

Classification Components	FY 2025	Residential	Multifamily	Commercial	Allocation Factor
Customer Related					
Actual Customer	\$0	\$0	\$0	\$0	(AC)
Customer Acct/Svcs	0	0	0	0	(WCA)
Meters & Svcs	4,489,377	3,121,684	573,565	794,128	(WCMS)
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Total Customer Related	\$4,489,377	\$3,121,684	\$573,565	\$794,128	
Equiv. Meters	\$7,440,109	\$5,173,473	\$950,552	\$1,316,084	(CAP-D)
Revenue Related	\$0	\$0	\$0	\$0	(RR)
Fire Protection	\$887,384	\$767,815	\$77,314	\$42,256	(FP)
Net Revenue Requirement	\$12,816,871	\$9,062,971	\$1,601,431	\$2,152,469	

South Tahoe PUD
 Water Utility
 Cost of Service Summary
 Exhibit 15 - Summary of Cost Allocation

	FY 2025 Total	Residential	Multifamily	Commercial	<i>Source</i>
Revenues at Present Rates	\$15,341,523	\$10,077,635	\$2,088,994	\$3,174,894	
Allocated Revenue Requirement	\$16,798,967	\$11,122,883	\$2,261,915	\$3,414,169	
Subtotal Balance/(Deficiency) of Funds	----- (\$1,457,445)	----- (\$1,045,248)	----- (\$172,921)	----- (\$239,275)	
% Change Over Present Rates	9.5%	10.4%	8.3%	7.5%	

South Tahoe PUD
Water Utility
Cost of Service Summary
Exhibit 15 - Average Unit Cost

	FY 2025 Total	Tier 1	Residential Tier 2	Flat Rate	Multifamily	Commercial
Commodity Costs - \$/CCF	\$1.12	\$1.12	\$1.12	\$1.12	\$1.12	\$1.12
Capacity Costs - \$/CCF	\$1.11	\$0.91	\$1.91	\$0.91	\$1.04	\$1.08
Direct Assign. Costs - \$/CCF	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total Allocated Costs - \$/CCF	\$2.23	\$2.03	\$3.02	\$2.03	\$2.16	\$2.20
		7.7%	5.4%		15.6%	13.2%
Current Consumption Rates		\$1.88	\$2.87	\$0.00	\$1.87	\$1.94
Customer - \$ / Equiv. Mtrs / month	\$55.95					
Fire Protection - \$ / Equiv. Mtrs / month	4.16					
Total - \$ / Month	\$60.12					
Current Fixed Charge (3/4")		\$54.97			\$54.97	\$54.97
		9.4%				
Rate Rev \$/CCF	\$8.59	\$14.85			\$6.84	\$5.53
Allocated Rev Req \$/CCF	\$9.40	\$16.39			\$7.40	\$5.94
Basic Data						
Annualized Water Flows - CCF	1,786,935	678,626	223,221	5,112	305,581	574,395
No. of Customers	14,175	12,265			1,235	675
No. of Units	NA	NA	NA	NA	NA	NA
Equivalent Meters	17,767	12,354			2,270	3,143

South Tahoe PUD
Customer Data Projection
Rate Design
Exhibit 16 - Summary of Rate Design

	Current	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029
Residential (\$/Month)						
3/4"	\$54.97	\$60.12	\$65.83	\$72.08	\$78.93	\$86.43
1"	91.75	100.34	109.87	120.31	131.74	144.25
1 1/2"	183.00	200.13	219.14	239.96	262.76	287.72
2"	292.89	320.31	350.74	384.06	420.54	460.49
3"	549.55	600.99	658.09	720.61	789.06	864.02
Unmetered	\$69.70	\$75.98	\$83.20	\$91.11	\$99.76	\$109.24
Commodity Charge (\$/CCF)						
0 - 15 CCF	\$1.88	\$2.03	\$2.22	\$2.43	\$2.66	\$2.91
15 + CCF	2.87	3.02	3.31	3.63	3.97	4.35
Multifamily (\$/Month)						
3/4"	\$54.97	\$60.12	\$65.83	\$72.08	\$78.93	\$86.43
1"	91.75	100.34	109.87	120.31	131.74	144.25
1.5"	183.00	200.13	219.14	239.96	262.76	287.72
2"	292.89	320.31	350.74	384.06	420.54	460.49
3"	549.55	600.99	658.09	720.61	789.06	864.02
4"	916.06	1,001.81	1,096.98	1,201.20	1,315.31	1,440.27
6"	1,831.51	2,002.96	2,193.24	2,401.59	2,629.75	2,879.57
8"	2,930.56	3,204.89	3,509.35	3,842.74	4,207.80	4,607.54
10"	4,213.11	4,607.50	5,045.21	5,524.50	6,049.33	6,624.02
Unmetered Duplex	\$115.74	\$123.74	\$135.50	\$148.37	\$162.47	\$177.90
Unmetered Triplex	157.24	174.41	190.97	209.12	228.98	250.74
Unmetered Four-Plex	203.43	225.07	246.45	269.86	295.50	323.57
Add'l Unit	34.09	37.69	41.27	45.19	49.49	54.19
Commodity Charge (\$/CCF)	\$1.87	\$2.16	\$2.37	\$2.59	\$2.84	\$3.11

South Tahoe PUD
Customer Data Projection
Rate Design
Exhibit 16 - Summary of Rate Design

	Current	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029
Commercial (\$/Month)						
3/4"	\$54.97	\$60.12	\$65.83	\$72.08	\$78.93	\$86.43
1"	91.75	100.34	109.87	120.31	131.74	144.25
1.5"	183.00	200.13	219.14	239.96	262.76	287.72
2"	292.89	320.31	350.74	384.06	420.54	460.49
3"	549.55	600.99	658.09	720.61	789.06	864.02
4"	916.06	1,001.81	1,096.98	1,201.20	1,315.31	1,440.27
6"	1,831.51	2,002.96	2,193.24	2,401.59	2,629.75	2,879.57
8"	2,930.56	3,204.89	3,509.35	3,842.74	4,207.80	4,607.54
10"	4,213.11	4,607.50	5,045.21	5,524.50	6,049.33	6,624.02
Unmetered 3/4" Service	\$100.92	\$112.14	\$122.80	\$134.46	\$147.24	\$161.22
Unmetered 1" Service	152.24	168.83	184.87	202.43	221.66	242.72
Commodity Charge (\$/CCF)	\$1.94	\$2.20	\$2.41	\$2.63	\$2.88	\$3.16

South Tahoe PUD
Water Utility
Rate Design
Exhibit 17 - Residential Bill Comparison

Consumption	Current Rate	Proposed Rate	\$ Change	% Change
0	\$54.97	\$60.12	\$5.15	9.4%
2	\$58.73	\$64.17	5.44	9.3%
4	\$62.49	\$68.22	5.73	9.2%
6	\$66.25	\$72.27	6.02	9.1%
8	\$70.01	\$76.32	6.31	9.0%
10	\$73.77	\$80.37	6.60	8.9%
12	\$77.53	\$84.42	6.89	8.9%
14	\$81.29	\$88.47	7.18	8.8%
16	\$85.05	\$92.52	7.47	8.8%
18	\$88.81	\$96.57	7.76	8.7%
20	\$92.57	\$100.62	8.05	8.7%

Meter Size	Current	Proposed
1"	\$54.97	\$60.12

Commodity Charge		
0 - 30 CCF	\$1.88	\$2.03
30 + CCF	\$2.87	\$3.02

South Tahoe PUD
Water Utility
Rate Design
Exhibit 18 - Multifamily Bill Comparison

Consumption	Current Rate	Proposed Rate	\$ Change	% Change
1" Meter				
0	\$91.75	\$100.34	8.59	9.4%
10	\$110.45	\$121.95	11.50	10.4%
20	\$129.15	\$143.57	14.42	11.2%
30	\$147.85	\$165.18	17.33	11.7%
40	\$166.55	\$186.79	20.24	12.2%
50	\$185.25	\$208.41	23.16	12.5%
60	\$203.95	\$230.02	26.07	12.8%
70	\$222.65	\$251.64	28.99	13.0%
80	\$241.35	\$273.25	31.90	13.2%
2" Meter				
20	\$330.29	\$363.54	33.25	10.1%
30	348.99	385.15	36.16	10.4%
40	367.69	406.76	39.07	10.6%
60	405.09	449.99	44.90	11.1%
70	423.79	471.61	47.82	11.3%
80	442.49	493.22	50.73	11.5%
90	461.19	514.83	53.64	11.6%
Meter Size				
	Current	Proposed		
1"	\$54.97	\$60.12		
1 1/2"	54.97	60.12		
2"	91.75	100.34		
3"	183.00	200.13		
4"	292.89	320.31		
6"	549.55	600.99		
8"	916.06	1,001.81		
10"	4,213.11	4,607.50		
Commodity Charge				
All Consumption /CCF		\$1.87	\$2.16	

South Tahoe PUD
Water Utility
Rate Design
Exhibit 19 - Commercial Bill Comparison

Consumption	Present Rate	Proposed Rate	\$ Change	% Change
1" Meter				
0	\$91.75	\$100.34	8.59	9.4%
50	188.75	210.17	21.42	11.3%
100	285.75	320.00	34.25	12.0%
150	382.75	429.82	47.07	12.3%
200	479.75	539.65	59.90	12.5%
250	576.75	649.48	72.73	12.6%
300	673.75	759.31	85.56	12.7%
350	770.75	869.14	98.39	12.8%
400	867.75	978.97	111.22	12.8%
2" Meter				
50	\$389.89	\$430.14	40.25	10.3%
150	583.89	649.79	65.90	11.3%
300	874.89	979.28	104.39	11.9%
450	1,165.89	1,308.77	142.88	12.3%
600	1,456.89	1,638.25	181.36	12.4%
750	1,747.89	1,967.74	219.85	12.6%
900	2,038.89	2,297.22	258.33	12.7%
Meter Size				
		Current	Proposed	
1"		\$54.97	\$60.12	
1 1/2"		54.97	60.12	
2"		91.75	100.34	
3"		183.00	200.13	
4"		292.89	320.31	
6"		549.55	600.99	
8"		2,930.56	3,204.89	
10"		4,213.11	4,607.50	
Commodity Charge				
All Consumption /CCF		\$1.94	\$2.20	