

SOUTH TAHOE
PUBLIC UTILITY DISTRICT

**TEN-YEAR
FINANCIAL PLAN
2022/23 TO 2031/32**

JULY 2022



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TEN-YEAR FINANCIAL PLAN

July 1, 2022 to June 30, 2032

PURPOSE

In an effort to set a responsible financial plan for South Tahoe Public Utility District, finance staff prepares a Ten-Year Financial and Capital Improvement Plan (the Plan) for use by the Board of Directors and management. The ten-year period covered is July 1, 2022 to June 30, 2032. This Plan is based on the best available information and Board direction as of May 19, 2022. How closely the ten-year plan comes to forecasting the financial results will depend on whether the assumptions used prove to be correct and the number of unforeseen changes during the ten-year period.

ASSUMPTIONS

The Plan assumptions are: operations and maintenance expenses and depreciation increase at 2.0% per year; salaries increase at 3.0% per year and benefits increase at 3.0% per year due to anticipated increases of health insurance and retirement costs; 9% water and 8% sewer service charge rate increases in all fiscal years; property tax revenue is estimated to increase approximately 2.6% annually; due to thirteen years of record, or near record low interest rates, interest income is forecasted at an earnings rate of 1.0% to 1.5% through the forecast; water capacity/connection fees are expected to be received from 30 residential allocations each year while sewer capacity/connections fees are expected to be received from 83 residential allocations in fiscal year 2023 and decrease 10% annually through fiscal year 2032. Due to the unknown nature of commercial connections, we have projected total annual commercial development equivalent to 50 sewer units and one four inch water connection.

CAPITAL SPENDING

Sewer fund capital spending over the ten-year period is anticipated to total \$110.7 million, not including associated labor and operating costs or debt payments for prior capital projects. Of this amount, \$101.8 million is for engineered infrastructure improvements. The District's investment in capital is more than 100% of the forecasted depreciation expense, which is estimated to total \$58.2 million over ten years. The capital projects include spending for the sewer treatment plant and system upgrades, pump station improvements, pipeline rehab and replacement, recycled water system enhancements, heavy equipment replacement, and other equipment purchases. Specifically, the Plan includes the rehabilitation of the treatment plant secondary clarifiers, improvements to the "Big Five" pump stations, gravity main replacements, field communication upgrades, and several other wastewater collection, treatment, and recycling projects. Fifty-one percent of the infrastructure costs are forecasted to be self-funded, and the remaining 49% of the costs are borrowed from lenders. The District is seeking to borrow approximately \$50.7 million from the California State Revolving Loan Program through the State Water Resources Control Board in the form of low-interest loans. If that funding is not available, or if certain projects are time sensitive, the District will utilize other standard market rate tax exempt financing. See the accompanying Capital Outlay schedules for details by department and project or item.

Water fund capital spending over the ten-year period is anticipated to total \$118.6 million, not including associated labor and operating costs or debt payments for prior capital projects. Of this amount, \$113.6 million is for engineered infrastructure improvements. The District's investment in capital is more than 100% of the forecasted depreciation expense, which is estimated to total \$46.7 million over ten years. The ten-year capital improvement plan allows for the replacement of many old and undersized waterlines and installation of additional fire hydrants. Currently, approximately 10% of the distribution system is undersized and does not provide adequate flows for fire protection. Other projects include booster

station improvements, communication upgrades, well rehabs, water tank coatings, new pressure reducing valve installations or replacements, heavy equipment replacement, and technological equipment upgrades. Fifty-three percent of the infrastructure costs are forecasted to be self-funded and the remaining 47% of the costs are borrowed from lenders. The District is seeking to borrow approximately \$53.0 million from the California State Revolving Loan Program through the State Water Resources Control Board in the form of low-interest loans. See the accompanying Capital Outlay schedules for details by department and project or item.

CASH RESERVES

The District prudently maintains minimum reserve levels to address unexpected expenditures or reduction in revenue sources. Reserves are available for debt, operations, capital projects, and to avoid large rate increases. The operating reserve is equal to two months of operating expenses, while the capital reserve when combined with borrowings, if any, is at least the amount of the next year’s budgeted capital spending. The sewer fund rate stabilization and debt reserve is equal to one year’s property tax receipts while the water fund reserve is equal to fifteen percent of service charge revenues in fiscal years 2023 - 2025, and twenty percent in 2026 - 2032. At June 30, 2032, the end of this ten-year forecast, the District’s reserves are forecast as follows:

	<u>SEWER FUND</u>	<u>WATER FUND</u>
Capital Outlay Reserve	\$21,500,291	\$8,760,585
Rate Stabilization/Debt Reserve	12,391,998	6,280,400
Operating Reserve	<u>5,112,508</u>	<u>3,591,531</u>
Total	\$39,004,797	\$18,632,516

SERVICE CHARGE RATES

The adopted budget for fiscal year 2022/23 (year one of the ten-year forecast) includes a 9% increase to water rates and an 8% increase to sewer rates. Following issuance of a multi-year Proposition 218 notice in 2019, the Board adopted a five-year rate schedule for fiscal years 2019/20 – 2023/24. Fiscal year 2022/23 represents year four of the rate schedule which originally included 6% and 5% rate increases to water and sewer service charge rates. Due to the negative local economic impact caused by COVID-19, the Board chose not to implement the increases for fiscal years 2021 and 2022, which is why the adopted increases for 2023 and forecasted for 2024 (9% and 8%) are greater than the original expected increases of 6% and 5%. Rate changes for years three-through-ten are forecasted at 9% per year for the water fund and 8% for the sewer fund to complete the capital improvement plans discussed above. The continued need for infrastructure maintenance and replacement, along with the day-to-day operating expenditures of the District, necessitates consistent marginal rate adjustments. The District Board of Directors and a majority of the ratepayers have historically preferred this methodology over occasional large rate adjustments.

SEWER FUND

TEN-YEAR FINANCIAL PLAN

SOUTH TAHOE PUBLIC UTILITY DISTRICT

SEWER TEN-YEAR FINANCIAL PLAN

	2022/23 FORECAST	2022/23 FORECAST	2023/24 FORECAST	2023/24 FORECAST	2024/25 FORECAST	2024/25 FORECAST	2025/26 FORECAST	2025/26 FORECAST	2026/27 FORECAST	2026/27 FORECAST
	ENTERPRISE FUND	CAPITAL OUTLAY RESERVE	ENTERPRISE FUND	CAPITAL OUTLAY RESERVE	ENTERPRISE FUND	CAPITAL OUTLAY RESERVE	ENTERPRISE FUND	CAPITAL OUTLAY RESERVE	ENTERPRISE FUND	CAPITAL OUTLAY RESERVE
BEGINNING CASH BALANCES	3,885,421	21,537,728	3,178,358	17,285,680	4,136,576	10,682,303	4,351,562	10,587,324	4,358,234	11,296,959
REVENUES (1)	25,133,700	2,810,240	26,091,339	1,537,559	27,672,541	1,457,137	29,461,391	651,423	33,120,424	586,281
BORROWINGS	0	3,790,100	0	5,118,000	0	9,473,000	0	8,373,000	0	11,584,000
AVAILABLE FUNDS	29,019,121	28,138,068	29,269,698	23,941,239	31,809,118	21,612,440	33,812,953	19,611,747	37,478,658	23,467,240
SALARIES (2)	7,146,588	956,621	7,360,986	985,320	7,581,815	1,014,879	7,809,270	1,045,326	8,043,548	1,076,685
BENEFITS (2)	3,883,973	399,282	4,000,492	411,260	4,120,507	423,598	4,244,122	436,306	4,371,446	449,395
OPERATIONS & MAINTENANCE (2)	7,848,436	1,642,250	7,434,205	864,195	7,343,189	1,112,383	7,474,753	1,134,631	7,639,548	1,157,323
CAPITAL OUTLAY		11,323,000		13,572,600		12,373,300		11,620,100		13,665,200
DEBT SERVICE	723,000	2,770,000	763,000	3,000,000	1,320,000	3,193,000	1,239,000	2,766,000	1,905,000	3,370,000
TOTAL CASH OUTLAYS	19,601,997	17,091,153	19,558,683	18,833,375	20,365,511	18,117,160	20,767,144	17,002,362	21,959,541	19,718,604
BALANCE BEFORE TRANSFERS	9,417,124	11,046,915	9,711,015	5,107,864	11,443,607	3,495,279	13,045,808	2,609,385	15,519,117	3,748,636
CAPITAL OUTLAY FUND TRANSFERS	-6,238,765	6,238,765	-5,574,439	5,574,439	-7,092,045	7,092,045	-8,687,574	8,687,574	-10,850,293	10,850,293
ACCRUAL TO CASH ADJUSTMENT		0		0		0		0		0
RATE STABILIZATION AND DEBT RESERVES		-8,295,000		-6,036,000		-7,304,000		-8,579,000		-9,863,000
OPERATING AND CAPITAL OUTLAY RESERVES (3)	3,178,358	8,990,680	4,136,576	4,646,303	4,351,562	3,283,324	4,358,234	2,717,959	4,668,824	4,735,929
DEBT PAYMENT RESERVE FUND		1,696,168		1,957,107		3,154,777		3,344,184		4,613,439
RATE STABILIZATION FUND (4)		6,598,832		4,078,893		4,149,223		5,234,816		5,249,561
TOTAL RESERVE BALANCES	3,178,358	17,285,680	4,136,576	10,682,303	4,351,562	10,587,324	4,358,234	11,296,959	4,668,824	14,598,929
AMORTIZATION (NON-CASH ITEM)	25,490		25,490		25,490		25,490		25,490	
DEPRECIATION (NON-CASH ITEM)	5,319,000		5,425,000		5,533,000		5,643,000		5,755,000	

ASSUMPTIONS:

(1) REVENUES

Enterprise Revenue includes property taxes, service charges, interest income and other misc revenue.

Capital Fund Revenue includes capacity charges and capital grant receipts.

Service charge rates increase 8.0% ANNUALLY.

Investments earn 1% to 3.0% net of management fees.

Capacity fees are reduced 10% annually.

(2) EXPENDITURES

Benefits include a 3.0% escalator beginning 2023/24 due to potential P/R tax and PERS/health insurance increases.

Salaries include a 3.0% escalator beginning 2023/24 to account for standard step increases and other potential adjustments.

O&M Expenses & Depreciation increase at 2.0% per year. Specific known changes adjusted as appropriate.

Ten Year CIP plan in the amount of \$110.4 million (Includes all departments).

Debt Service includes principle & interest payments for current debt and additional debt of \$50.6 million over the ten year forecast.

\$150,000 contingency reserve for all years.

SOUTH TAHOE PUBLIC UTILITY DISTRICT

SEWER TEN-YEAR FINANCIAL PLAN (CONTINUED)

	2027/28 FORECAST	2027/28 FORECAST	2028/29 FORECAST	2028/29 FORECAST	2029/30 FORECAST	2029/30 FORECAST	2030/31 FORECAST	2030/31 FORECAST	2031/32 FORECAST	2031/32 FORECAST
	ENTERPRISE FUND	CAPITAL OUTLAY RESERVE	ENTERPRISE FUND	CAPITAL OUTLAY RESERVE	ENTERPRISE FUND	CAPITAL OUTLAY RESERVE	ENTERPRISE FUND	CAPITAL OUTLAY RESERVE	ENTERPRISE FUND	CAPITAL OUTLAY RESERVE
BEGINNING CASH BALANCES	4,668,824	14,598,929	4,708,469	17,845,192	4,850,341	20,217,270	4,952,414	22,849,001	5,062,032	26,677,644
REVENUES (1)	35,281,570	527,653	37,592,056	474,888	40,057,192	427,399	42,703,995	384,659	45,562,473	346,193
BORROWINGS	0	4,942,000	0	3,864,000	0	3,528,000	0	0	0	0
AVAILABLE FUNDS	39,950,394	20,068,582	42,300,525	22,184,079	44,907,533	24,172,668	47,656,409	23,233,660	50,624,505	27,023,837
SALARIES (2)	8,284,854	1,108,986	8,533,400	1,142,256	8,789,402	1,176,523	9,053,084	1,211,819	9,324,676	1,248,173
BENEFITS (2)	4,502,589	462,877	4,637,667	476,764	4,776,797	491,066	4,920,101	505,798	5,067,704	520,972
OPERATIONS & MAINTENANCE (2)	7,777,039	1,180,470	7,947,879	1,204,079	8,091,537	1,228,161	8,268,668	1,252,724	8,418,741	1,277,778
CAPITAL OUTLAY		9,214,500		10,314,950		11,564,300		8,778,199		7,968,500
DEBT SERVICE	1,801,000	3,133,000	2,039,000	3,121,000	1,934,000	3,227,000	1,824,000	3,336,000	1,718,000	3,099,000
TOTAL CASH OUTLAYS	22,365,482	15,099,833	23,157,946	16,259,048	23,591,736	17,687,050	24,065,852	15,084,540	24,529,121	14,114,424
BALANCE BEFORE TRANSFERS	17,584,912	4,968,749	19,142,579	5,925,031	21,315,798	6,485,618	23,590,557	8,149,120	26,095,384	12,909,413
CAPITAL OUTLAY FUND TRANSFERS	-12,876,443	12,876,443	-14,292,238	14,292,238	-16,363,383	16,363,383	-18,528,524	18,528,524	-20,982,876	20,982,876
ACCRUAL TO CASH ADJUSTMENT		0		0		0		0		0
RATE STABILIZATION AND DEBT RESERVES		-11,152,999		-11,449,999		-11,755,999		-12,069,999		-12,391,998
OPERATING AND CAPITAL OUTLAY RESERVES (3)	4,708,469	6,692,193	4,850,341	8,767,271	4,952,414	11,093,002	5,062,032	14,607,645	5,112,508	21,500,291
DEBT PAYMENT RESERVE FUND		4,616,339		5,186,507		5,187,407		5,187,307		4,843,207
RATE STABILIZATION FUND (4)		6,536,660		6,263,492		6,568,592		6,882,692		7,548,791
TOTAL RESERVE BALANCES	4,708,469	17,845,192	4,850,341	20,217,270	4,952,414	22,849,001	5,062,032	26,677,644	5,112,508	33,892,289
AMORTIZATION (NON-CASH ITEM)	25,490		25,490		25,490		25,490		25,490	
DEPRECIATION (NON-CASH ITEM)	5,870,000		5,987,000		6,106,000		6,228,000		6,352,000	

(3) OPERATING & CAPITAL RESERVES

Operating reserve is equal to two months of operating costs. Remaining reserves are for capital projects.

(4) RATE STABILIZATION FUND

The rate stabilization and debt reserve fund is equal to one years property tax receipts net of jurisdictional transfers

RESULTS:

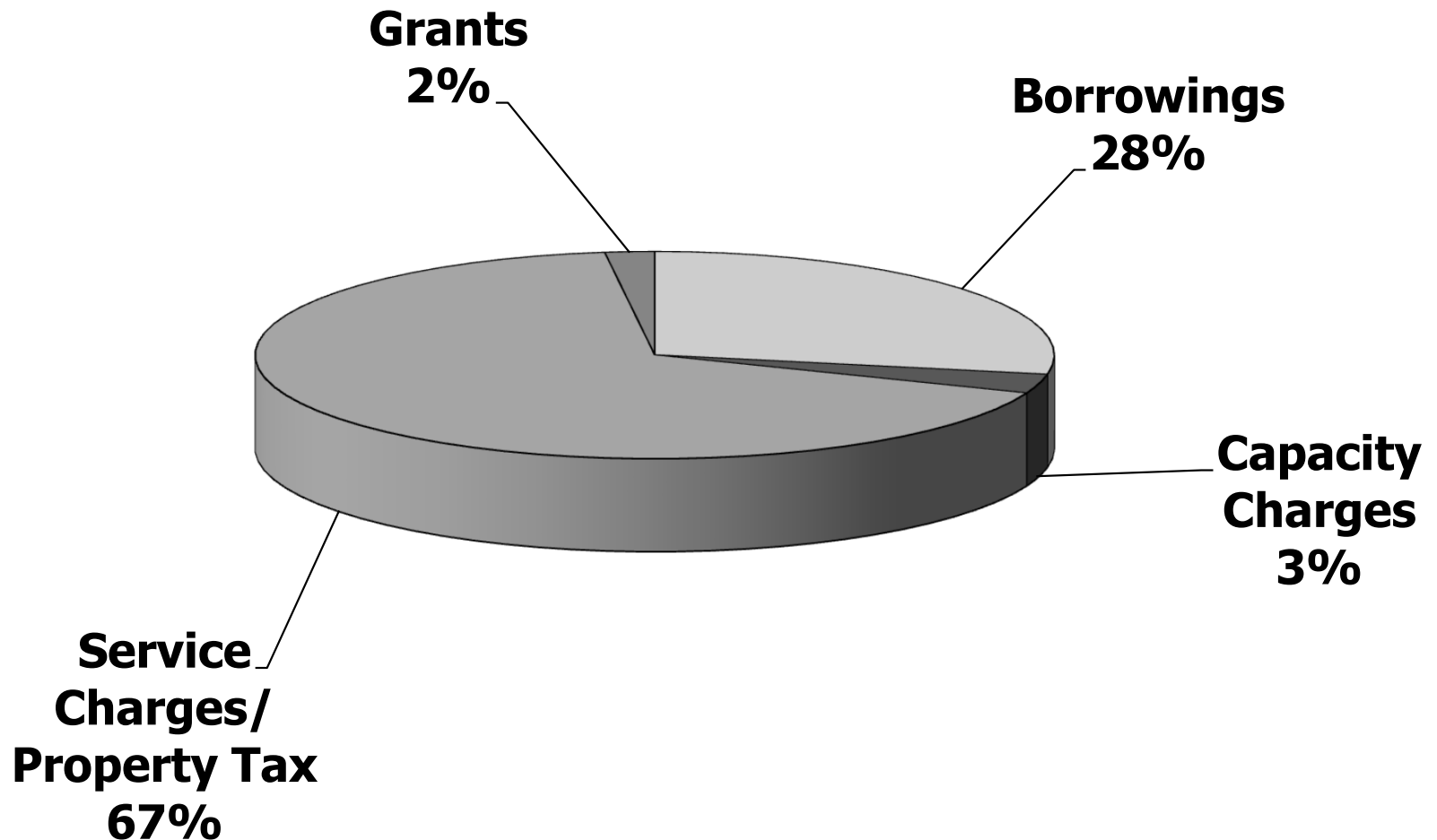
Operating revenue covers operating expenses at all times.

District is in compliance with the "net revenue" debt covenants.

Capital Improvement Program is greater than 100% of depreciation

SEWER ENTERPRISE FUND

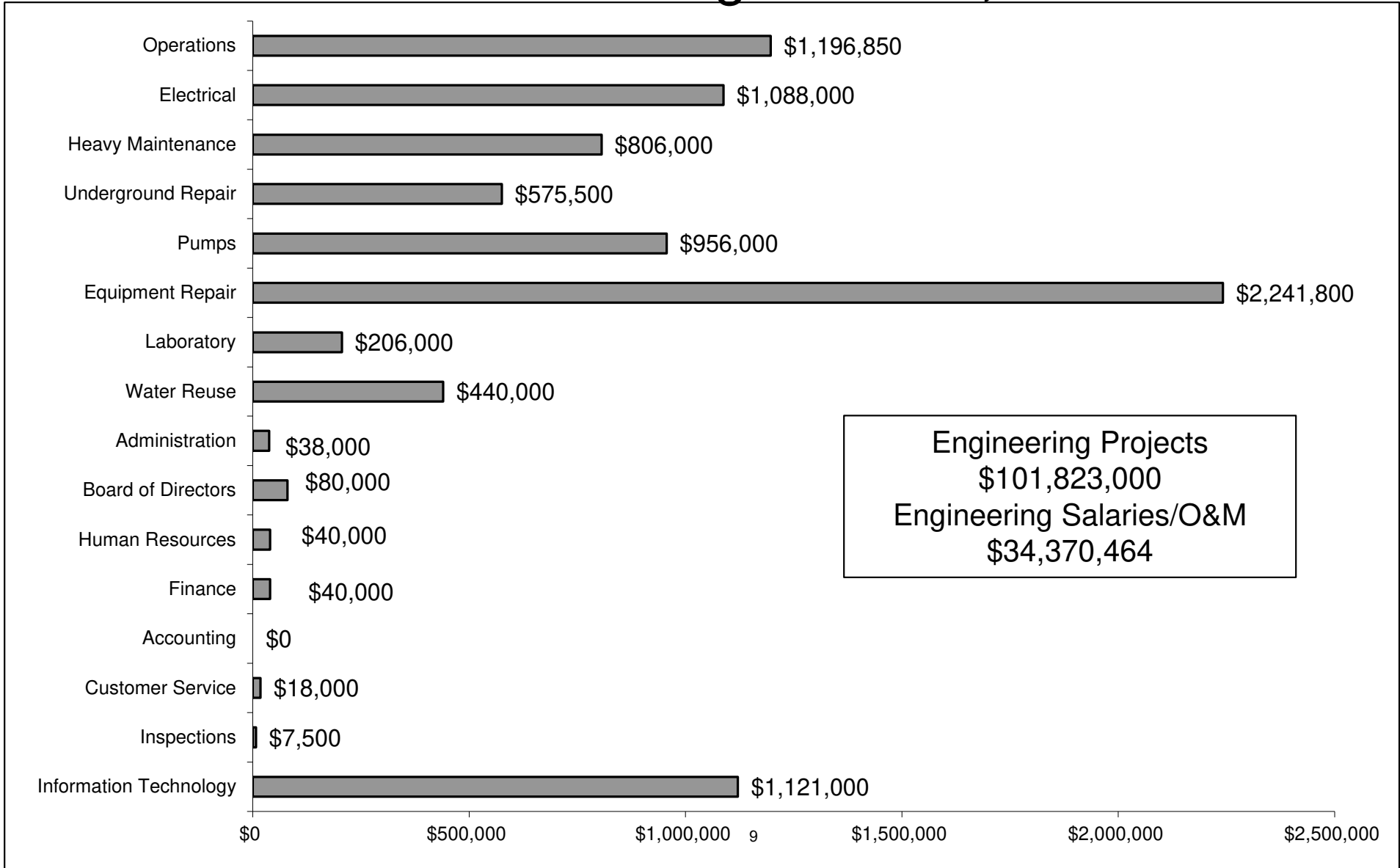
Funding Sources for Capital Projects Fund



SEWER ENTERPRISE FUND CAPITAL PROJECTS

Ten Years Ending June 30, 2032

All Other
Departments



SEWER

TEN-YEAR CAPITAL PLAN

BY DEPARTMENT

and

BY PROJECT

SEWER TOTALS

DEPARTMENT	22-23 BUDGET	23-24 BUDGET	24-25 BUDGET	25-26 BUDGET	26-27 BUDGET	27-28 BUDGET	28-29 BUDGET	29-30 BUDGET	30-31 BUDGET	31-32 BUDGET	TOTALS
UNDERGROUND REPAIR	60,500	28,500	72,000	16,500	12,000	156,500	13,000	201,500	15,000	0	575,500
PUMPS	412,500	76,500	77,000	60,000	60,000	60,000	110,000	50,000	50,000	0	956,000
ELECTRICAL	175,000	142,000	95,000	164,000	142,000	65,000	70,000	85,000	65,000	85,000	1,088,000
HEAVY MAINTENANCE	232,000	273,000	27,000	59,000	74,000	24,000	63,000	30,000	12,000	12,000	806,000
EQUIPMENT REPAIR	597,000	327,400	1,267,000	42,600	0	7,800	0	0	0	0	2,241,800
OPERATIONS	40,000	335,500	102,600	108,200	136,300	88,200	87,350	93,500	92,700	112,500	1,196,850
LABORATORY	10,000	20,000	10,000	25,000	11,000	100,000	20,000	10,000	0	0	206,000
BOARD OF DIRECTORS	0	5,000	0	75,000	0	0	0	0	0	0	80,000
ADMINISTRATION	0	0	0	19,000	0	0	0	19,000	0	0	38,000
HUMAN RESOURCES	0	15,000	0	0	0	0	15,000	10,000	0	0	40,000
PUBLIC AFFAIRS/WATER CONSERVATION	0	0	0	0	0	0	0	0	0	0	0
WATER REUSE	50,000	33,700	84,700	35,800	46,900	38,000	69,100	40,300	41,500	0	440,000
ENGINEERING	7,607,000	12,024,000	11,101,000	8,213,000	14,450,000	10,182,000	9,050,000	10,060,000	11,767,000	7,369,000	101,823,000
INFORMATION TECHNOLOGY	107,000	55,000	60,000	106,000	157,000	0	123,000	26,000	97,000	390,000	1,121,000
CUSTOMER SERVICE	0	0	18,000	0	0	0	0	0	0	0	18,000
INSPECTIONS	0	0	0	0	0	0	7,500	0	0	0	7,500
FINANCE	0	0	20,000	0	0	0	20,000	0	0	0	40,000
ACCOUNTING	0	0	0	0	0	0	0	0	0	0	0
PURCHASING	0	0	0	0	0	0	0	0	0	0	0
ENGINEERING STAFF & EXPENSES	2,998,153	3,088,098	3,180,741	3,276,163	3,374,448	3,475,681	3,579,951	3,687,350	3,797,971	3,911,910	34,370,464
	12,289,153	16,423,698	16,115,041	12,200,263	18,463,648	14,197,181	13,227,901	14,312,650	15,938,171	11,880,410	145,048,114

SEWER OPERATIONS

USE OR BENEFIT EXPLANATION	22-23 BUDGET	23-24 BUDGET	24-25 BUDGET	25-26 BUDGET	26-27 BUDGET	27-28 BUDGET	28-29 BUDGET	29-30 BUDGET	30-31 BUDGET	31-32 BUDGET	TOTALS	
1 OTHER PLANT IMPROVEMENTS **		75,300	77,600	79,900	82,300	84,800	87,350	90,000	92,700	95,500	765,450	1
2 REPLACE CHEMICAL STORAGE TANKS (5)	25,000	25,000	25,000	25,000	25,000						125,000	2
3 REPLACE POLYMER PUMP		40,000									40,000	3
4 REPLACE HYPO PUMPS	15,000										15,000	4
5 REPLACE AERATION BASIN WATERLINE		100,000									100,000	5
6 EPA SPILL CONTROL & COUNTERMEASURE PLAN REVIEW					17,000					17,000	34,000	6
7 SNOWBLOWER		3,200		3,300		3,400		3,500			13,400	7
8 REPLACE H2S METER					12,000						12,000	8
9 30 INCH ERB VALVE		20,000									20,000	9
10 RETURNED ACTIVATED SLUDGE LINE REHAB		67,000									67,000	10
11 10 INCH #3 WATER METER		5,000									5,000	11
	40,000	335,500	102,600	108,200	136,300	88,200	87,350	93,500	92,700	112,500	1,196,850	

** Includes a 3% increase per year (rounded).

SEWER HEAVY MAINTENANCE

USE OR BENEFIT EXPLANATION	22-23 BUDGET	23-24 BUDGET	24-25 BUDGET	25-26 BUDGET	26-27 BUDGET	27-28 BUDGET	28-29 BUDGET	29-30 BUDGET	30-31 BUDGET	31-32 BUDGET	TOTALS	
1 REPLACE LINERS FOR SLUDGE AUGERS	20,000	20,000					20,000				60,000	1
2 REBUILD CENTRIFUGES	100,000	35,000		35,000	35,000						205,000	2
3 REBUILD SLUDGE PUMPS (BIOSOLIDS BLDG.)	12,000	12,000	12,000	12,000	12,000	12,000	12,000				84,000	3
4 REPLACE ROLL-UP DOOR	12,000	12,000	12,000	12,000	12,000	12,000	12,000	12,000	12,000	12,000	120,000	4
5 REPLACE TOOLS: PORTABLE/TIG WELDER	17,000										17,000	5
6 REPLACE PLANT AIR COMPRESSOR		3,000	3,000				3,000	3,000			12,000	6
7 REPLACE A- LINE SURGE AIR COMPRESSOR		15,000			15,000			15,000			45,000	7
8 UTILITY VEHICLE (3)							16,000				16,000	8
9 BIO SCRUBBER MEDIA REPLACEMENT		20,000									20,000	9
10 FINAL/SECONDARY PUMP REBUILD (4)	20,000	20,000									40,000	10
11 #3 WATER PUMPS	20,000	20,000									40,000	11
12 NEW FILTER VALVES	16,000	16,000									32,000	12
13 SOUTH ROAD GATE		40,000									40,000	13
14 REPLACE SCUM PUMP		15,000									15,000	14
15 ERB REPAIRS	15,000	15,000									30,000	15
16 SHOP LATHE		30,000									30,000	16
	232,000	273,000	27,000	59,000	74,000	24,000	63,000	30,000	12,000	12,000	806,000	

SEWER PUMPS

USE OR BENEFIT EXPLANATION	22-23 BUDGET	23-24 BUDGET	24-25 BUDGET	25-26 BUDGET	26-27 BUDGET	27-28 BUDGET	28-29 BUDGET	29-30 BUDGET	30-31 BUDGET	31-32 BUDGET	TOTALS	
1 SECURITY MEASURES	26,500	26,500	10,000	10,000	10,000	10,000					93,000	1
2 PUMP REBUILDING	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000		450,000	2
3 REPLACE BIJOU PUMP #2	25,000		17,000								42,000	3
4 REPLACE PUMP #1 TROUT CREEK SPS							30,000				30,000	4
5 REPLACE PUMP #2 TROUT CREEK SPS							30,000				30,000	5
6 REPLACE BELLEVUE #1 PUMP	21,000										21,000	6
7 LPPS#1 AND #2 NEW PUMP	200,000										200,000	7
8 AL TAHOE PS SPARE PUMP	90,000										90,000	8
	412,500	76,500	77,000	60,000	60,000	60,000	110,000	50,000	50,000	0	956,000	

SEWER ENGINEERING - PAGE 1

USE OR BENEFIT EXPLANATION	22-23 BUDGET	23-24 BUDGET	24-25 BUDGET	25-26 BUDGET	26-27 BUDGET	27-28 BUDGET	28-29 BUDGET	29-30 BUDGET	30-31 BUDGET	31-32 BUDGET	TOTALS	
1 WATER REUSE DIAMOND DITCH REHABILITATION			518,000	1,066,000							1,584,000	1
2 WATER REUSE ROADS	52,000	54,000	164,000	169,000	58,000	60,000	62,000	64,000	66,000	68,000	817,000	2
3 WATER REUSE - DRESSLER DITCH EROSION CONTROL	397,000										397,000	3
4 SEWER REPAIR UNPLANNED REPAIRS	500,000										500,000	4
5 SEWER FORCE MAIN ASSET MANAGEMENT							525,000	125,000	129,000	133,000	912,000	5
6 FM INSPECTION PORTS - BIJOU/JOHNSON	103,000							244,000	503,000	259,000	1,109,000	6
7 FORCE MAIN ARV REPLACEMENT PROJECT	52,000	94,000	290,000	200,000							636,000	7
8 GRAVITY SEWER REHAB PROGRAM (CIPP 1,300 LF/YR)		266,000	274,000								540,000	8
9 GRAVITY SEWER REPLACEMENT PROGRAM (1.1 MI/YR)	50,000	2,862,000	2,948,000							3,625,000	9,485,000	9
10 TALLAC CREEK SEWER CROSSING	514,000										514,000	10
11 BALDWIN BEACH GRAVITY REHAB/REPLACEMENT (2,200 FT)					574,000	1,181,000					1,755,000	11
12 BAL BIJOU ROAD GRAVITY MAIN CIPP (1A)	26,000								273,000	562,000	861,000	12
13 SEWER REPLACEMENT 89 AND 5TH					187,000	192,000					379,000	13
14 UPPER TRUCKEE RIVER GRAVITY MAIN CIPP				239,000	491,000						730,000	14
15 SKI RUN BLVD. GRAVITY MAIN REPLACEMENT							1,153,000	2,375,000			3,528,000	15
16 SHOP STREET GRAVITY MAIN REPLACEMENT					365,000	750,000					1,115,000	16
17 MONTGOMERY ESTATES CIPP PHASE 1 (4,800 LF)			337,000	693,000							1,030,000	17
18 MONTGOMERY ESTATES CIPP PHASE 2 (5,000 LF)								411,000	846,000		1,257,000	18
19 HIGHWAY 50/SKI RUN TO PIONEER TRAIL REPLACEMENT (4,300 LF)	103,000			1,940,000	3,995,000						6,038,000	19
20 HOPI AREA GRAVITY MAIN PROTECTION PROJECT					35,000	657,000	1,353,000				2,045,000	20
21 HOPI AREA CIPP REHABILITATION					35,000		522,000				557,000	21
22 TAKELA FREMONT CIPP REHABILITATION	16,000		33,000	277,000	571,000						897,000	22
23 GOLDEN BEAR GRAVITY MAIN PROTECTION PROJECT								140,000	288,000		428,000	23
24 LAKE CHRISTOPHER GRAVITY MAIN REPLACEMENT								1,690,000	3,480,000		5,170,000	24
25 SEWER SYSTEM ACCESS IMPROVEMENTS				387,000	797,000						1,184,000	25
26 FIELD COMMUNICATION UPGRADES PHASE 3		160,000									160,000	26
27 SEWER PUMP STATION MONITORING PROGRAM		188,000	194,000	200,000	206,000	212,000	218,000	225,000	231,000	238,000	1,912,000	27
28 TAHOE KEYS PUMP STATION REHABILITATION	2,982,000										2,982,000	28
29 UPPER TRUCKEE PUMP STATION REHABILITATION	1,386,000	2,854,000									4,240,000	29
30 BIJOU PUMP STATION REHABILITATION	103,000	983,000	2,024,000								3,110,000	30
31 JOHNSON PUMP STATION REHABILITATION			174,000		467,000	961,000					1,602,000	31
32 AL TAHOE PUMP STATION REHABILITATION				239,000		1,263,000	2,601,000				4,103,000	32
33 LPPS TANK COATING AND CATHODIC PROTECTION	470,000	740,000									1,210,000	33
34 LPPS FIRE PUMP CONTROL IMPROVEMENTS	52,000										52,000	34
35 WET WELL IMPROVEMENTS, COATING, REPAIRS		226,000	464,000								690,000	35
36 BELLEVUE PUMP STATION IMPROVEMENTS			239,000		357,000	735,000					1,331,000	36
37 POPE BEACH #1 PUMP STATION IMPROVEMENTS	54,000	106,000	219,000								379,000	37
38 POPE BEACH #2 PUMP STATION IMPROVEMENTS	54,000	100,000	205,000								359,000	38
39 PIONEER VILLAGE PUMP STATION		55,000		257,000	568,000						880,000	39
40 KIVA PUMP STATION					62,000		204,000	420,000			686,000	40
41 BALDWIN BEACH PUMP STATION			58,000		325,000	668,000					1,051,000	41
	6,914,000	8,688,000	8,141,000	5,667,000	9,093,000	6,679,000	6,638,000	5,694,000	5,816,000	4,885,000	68,215,000	

** Includes a flat rate cost per year.

SEWER ENGINEERING - PAGE 2

USE OR BENEFIT EXPLANATION	22-23 BUDGET	23-24 BUDGET	24-25 BUDGET	25-26 BUDGET	26-27 BUDGET	27-28 BUDGET	28-29 BUDGET	29-30 BUDGET	30-31 BUDGET	31-32 BUDGET	TOTALS	
42	SAN MORITZ PUMP STATION IMPROVEMENTS					64,000		736,000	1,515,000		2,315,000	42
43	TROUT CREEK PUMP STATION IMPROVEMENTS						66,000		277,000	571,000	914,000	43
44	CAMP RICH PUMP STATION								70,000	342,000	412,000	44
45	TAYLOR CREEK PUMP STATION IMPROVEMENTS				60,000	346,000	712,000				1,118,000	45
46	FLL ES 1&2 AND STANFORD CAMP REHABILITATION		54,000	166,000	342,000						562,000	46
47	WWTP MASTER PLAN	159,000									159,000	47
48	SECONDARY CLARIFIER 1 REHAB		742,000	1,529,000							2,271,000	48
49	SECONDARY CLARIFIER 2 REHAB		937,000								937,000	49
50	PLANT PAVING (CENTER ROAD)				123,000	254,000					377,000	50
51	LOWER, FOUNTAIN SHOPS IMPROVEMENTS (3)			348,000		818,000	1,305,000	1,344,000	693,000		4,508,000	51
52	BLOWER, CHLORINE, EMPS SHINGLE REMOVAL					174,000	180,000				354,000	52
53	WWTP BALLAST PONDS					634,000	1,305,000				1,939,000	53
54	BLOWER SYSTEM IMPROVEMENTS		408,000	839,000	433,000						1,680,000	54
55	AIR HEADER REPLACEMENT							246,000	1,632,000	3,362,000	5,240,000	55
56	FILTERS 1,2 REHAB		883,000								883,000	56
57	MIXED LIQUOR SPLITTER BOX, GATES, WEIR, COATINGS	73,000			133,000	273,000					479,000	57
58	EMERGENCY PS IMPROVEMENTS, CONCRETE REHAB	52,000			64,000	132,000					248,000	58
59	AB SPLITTER BOX	52,000			54,000	110,000					216,000	59
60	PRIMARY EFFLUENT SPLITTER BOX	52,000			32,000	66,000					150,000	60
61	RAS BUILDING REHABILITATION (3)		164,000		891,000	1,835,000					2,890,000	61
62	PLANT ELECTRICAL UPGRADES		110,000		414,000	852,000					1,376,000	62
63	FILTERS 3,4 REHAB							1,305,000			1,305,000	63
64	BIO BUILDING ODOR CONTROL									74,000	74,000	64
65	PLANT PAVING (SOUTH ROAD)					127,000	261,000				388,000	65
66	PLANT PAVING (NORTH ROAD)								143,000	294,000	437,000	66
67	ERB LINER AND VALVE REPLACEMENT								584,000	1,203,000	1,787,000	67
68	TANKS ASSET MANAGEMENT PROGRAM					82,000	42,000	44,000			168,000	68
69	WWTP ELECTRICAL SUBMETERING		38,000	78,000							116,000	69
70	SCADA HISTORIAN UPGRADES	155,000									155,000	70
71	SRT CONTROLLER FOR SECONDARY SYSTEM		73,000								73,000	71
72	ENGINEERING OFFICES UPGRADES		31,000								31,000	72
73	PUMP TESTIN EQUIPMENT		26,000								26,000	73
74	ENGINEERING COPIER		20,000								20,000	74
<hr/>												
693,000 3,336,000 2,960,000 2,546,000 5,357,000 3,503,000 2,412,000 4,366,000 5,951,000 2,484,000 33,608,000												
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TOTAL 7,607,000 12,024,000 11,101,000 8,213,000 14,450,000 10,182,000 9,050,000 10,060,000 11,767,000 7,369,000 101,823,000												
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SEWER WATER REUSE

USE OR BENEFIT EXPLANATION	22-23 BUDGET	23-24 BUDGET	24-25 BUDGET	25-26 BUDGET	26-27 BUDGET	27-28 BUDGET	28-29 BUDGET	29-30 BUDGET	30-31 BUDGET	31-32 BUDGET	TOTALS	
1 FENCING DIAMOND VALLEY RANCH											0	1
2 UNDESIGNATED PROJECTS **		33,700	34,700	35,800	36,900	38,000	39,100	40,300	41,500		300,000	2
3 PAVING/SEALING ROADS					10,000						10,000	3
4 NUTRIENT MANAGEMENT PLAN			50,000								50,000	4
5 SNOWSHOE THOMPSON II 200 LF DITCH PIPING	25,000										25,000	5
6 ALFALFA FIELD REHABILITATION	25,000						30,000				55,000	6
	50,000	33,700	84,700	35,800	46,900	38,000	69,100	40,300	41,500	0	440,000	

** Includes a 3% increase per year (rounded).

SEWER ADMINISTRATION

USE OR BENEFIT EXPLANATION	22-23 BUDGET	23-24 BUDGET	24-25 BUDGET	25-26 BUDGET	26-27 BUDGET	27-28 BUDGET	28-29 BUDGET	29-30 BUDGET	30-31 BUDGET	31-32 BUDGET	TOTALS	
1 REPLACE COPIER				19,000				19,000			38,000	1
	0	0	0	19,000	0	0	0	19,000	0	0	38,000	

SEWER BOARD OF DIRECTORS

USE OR BENEFIT EXPLANATION	22-23 BUDGET	23-24 BUDGET	24-25 BUDGET	25-26 BUDGET	26-27 BUDGET	27-28 BUDGET	28-29 BUDGET	29-30 BUDGET	30-31 BUDGET	31-32 BUDGET	TOTALS	
1 REPLACE BOARDROOM COMPONENTS		5,000		75,000							80,000	1
	0	5,000	0	75,000	0	0	0	0	0	0	80,000	

SEWER HUMAN RESOURCES

USE OR BENEFIT EXPLANATION	22-23 BUDGET	23-24 BUDGET	24-25 BUDGET	25-26 BUDGET	26-27 BUDGET	27-28 BUDGET	28-29 BUDGET	29-30 BUDGET	30-31 BUDGET	31-32 BUDGET	TOTALS	
1 REPLACE COPIER		15,000					15,000				30,000	1
2 REPLACE AED'S (SIX UNITS)								10,000			10,000	2
	0	15,000	0	0	0	0	15,000	10,000	0	0	40,000	

SEWER PUBLIC AFFAIRS/WATER CONSERVATION

USE OR BENEFIT EXPLANATION	22-23 BUDGET	23-24 BUDGET	24-25 BUDGET	25-26 BUDGET	26-27 BUDGET	27-28 BUDGET	28-29 BUDGET	29-30 BUDGET	30-31 BUDGET	31-32 BUDGET	TOTALS
	0	0	0	0	0	0	0	0	0	0	0

SEWER ACCOUNTING

USE OR BENEFIT EXPLANATION	22-23 BUDGET	23-24 BUDGET	24-25 BUDGET	25-26 BUDGET	26-27 BUDGET	27-28 BUDGET	28-29 BUDGET	29-30 BUDGET	30-31 BUDGET	31-32 BUDGET	TOTALS
											0
	0	0	0	0	0	0	0	0	0	0	0

SEWER PURCHASING

USE OR BENEFIT EXPLANATION	22-23 BUDGET	23-24 BUDGET	24-25 BUDGET	25-26 BUDGET	26-27 BUDGET	27-28 BUDGET	28-29 BUDGET	29-30 BUDGET	30-31 BUDGET	31-32 BUDGET	TOTALS
	0	0	0	0	0	0	0	0	0	0	0

SEWER INFORMATION TECHNOLOGY

USE OR BENEFIT EXPLANATION	22-23 BUDGET	23-24 BUDGET	24-25 BUDGET	25-26 BUDGET	26-27 BUDGET	27-28 BUDGET	28-29 BUDGET	29-30 BUDGET	30-31 BUDGET	31-32 BUDGET	TOTALS	
1 VIRTUAL SERVER/HOST	20,000		20,000		20,000		20,000		20,000		100,000	1
2 BACKUP POWER - SERVER ROOM	6,000		6,000		6,000		6,000		6,000		30,000	2
3 NETWORKING EQUIP./IMPROVEMENTS	11,000		11,000		11,000		11,000		11,000		55,000	3
4 NETWORKING EQUIP./IMPROVEMENTS - SCADA							11,000				11,000	4
5 TELEPHONE SYSTEM UPGRADES				80,000						80,000	160,000	5
6 NEW FINANCE SYSTEM/MIGRATION/ENHANCEMENTS	10,000			10,000			10,000			10,000	40,000	6
7 SQL ADDITIONAL LICENSES	10,000			10,000			10,000			10,000	40,000	7
8 REPLACE DOMAIN CONTROLLER	10,000				10,000				10,000		30,000	8
9 REPLACE PRESENTATION EQUIPMENT		5,000					5,000				10,000	9
10 MICROSOFT OFFICE UPGRADES									50,000		50,000	10
11 STRATEGIC PLAN IMPLEMENTATION		20,000			20,000			20,000			60,000	11
12 REPLACE SCADA APP SERVER 1			20,000				20,000				40,000	12
13 WWTP GATE ACCESS CONTROLS UPGRADE		30,000					30,000				60,000	13
14 STRATEGIC PLAN UPDATE					40,000					40,000	80,000	14
15 BACKUP POWER - DVR SERVER ROOM				6,000				6,000			12,000	15
16 SERVER ROOM ENVIRONMENTAL CONTROL			3,000								3,000	16
17 BACKUP SERVER REPLACEMENT					50,000					250,000	300,000	17
18 ANTIVIRUS REPLACEMENT	40,000										40,000	18
	107,000	55,000	60,000	106,000	157,000	0	123,000	26,000	97,000	390,000	1,121,000	

SEWER INSPECTIONS

USE OR BENEFIT EXPLANATION	22-23 BUDGET	23-24 BUDGET	24-25 BUDGET	25-26 BUDGET	26-27 BUDGET	27-28 BUDGET	28-29 BUDGET	29-30 BUDGET	30-31 BUDGET	31-32 BUDGET	TOTALS	
1 REPLACE DIGITAL LOCATING EQUIP. (2)							7,500				7,500	1
	0	0	0	0	0	0	7,500	0	0	0	7,500	

* Fiscal year 2021/2022 includes capital outlay rollovers form 2020/21.

WATER FUND
TEN-YEAR FINANCIAL PLAN

SOUTH TAHOE PUBLIC UTILITY DISTRICT

WATER TEN-YEAR FINANCIAL PLAN										
	2022/23 FORECAST	2022/23 FORECAST	2023/24 FORECAST	2023/24 FORECAST	2024/25 FORECAST	2024/25 FORECAST	2025/26 FORECAST	2025/26 FORECAST	2026/27 FORECAST	2026/27 FORECAST
	ENTERPRISE FUND	CAPITAL OUTLAY RESERVE	ENTERPRISE FUND	CAPITAL OUTLAY RESERVE	ENTERPRISE FUND	CAPITAL OUTLAY RESERVE	ENTERPRISE FUND	CAPITAL OUTLAY RESERVE	ENTERPRISE FUND	CAPITAL OUTLAY RESERVE
BEGINNING CASH BALANCES	2,229,787	6,119,301	2,475,203	6,433,393	2,583,141	8,146,505	2,757,996	10,965,433	2,817,796	10,670,491
REVENUES (1)	20,156,244	1,766,000	19,066,510	1,766,000	19,852,307	1,766,000	21,519,084	1,766,000	21,564,888	1,766,000
BORROWINGS		4,084,333		5,294,333		4,699,000		3,920,000		9,012,000
AVAILABLE FUNDS	22,386,030	11,969,634	21,541,713	13,493,726	22,435,448	14,611,505	24,277,080	16,651,433	24,382,683	21,448,491
SALARIES (2)	4,427,413	956,621	4,560,235	985,320	4,697,042	1,014,879	4,837,954	1,045,326	4,983,092	1,076,685
BENEFITS (2)	2,324,921	399,282	2,394,669	411,260	2,466,509	423,598	2,540,504	436,306	2,616,719	449,395
OPERATIONS & MAINTENANCE (2)	4,788,514	506,468	4,862,762	516,597	4,960,018	526,929	5,059,218	537,468	5,160,402	548,217
CAPITAL OUTLAY		10,604,900		8,816,000		6,784,600		10,542,501		13,416,800
DEBT SERVICE (2)	523,000	925,000	582,000	1,186,000	859,000	1,600,000	816,000	1,634,000	1,187,000	1,955,000
TOTAL CASH OUTLAYS	12,063,848	13,392,271	12,399,666	11,915,177	12,982,569	10,350,007	13,253,676	14,195,601	13,947,214	17,446,098
BALANCE BEFORE TRANSFERS	10,322,182	-1,422,637	9,142,047	1,578,548	9,452,879	4,261,499	11,023,404	2,455,832	10,435,470	4,002,393
CAPITAL OUTLAY FUND TRANSFERS	-7,856,030	7,856,030	-6,567,957	6,567,957	-6,703,934	6,703,934	-8,214,659	8,214,659	-7,439,385	7,439,385
ACCRUAL TO CASH ADJUSTMENT	9,051	0	9,051	0	9,051	0	9,051	0	0	0
RATE STABILIZATION AND DEBT RESERVES		-2,177,250		-2,377,200		-2,591,100		-3,763,400		-4,099,600
OPERATING AND CAPITAL OUTLAY RESERVES (3)	2,475,203	4,256,143	2,583,141	5,769,305	2,757,996	8,374,333	2,817,796	6,907,091	2,996,085	7,342,178
DEBT PAYMENT RESERVE FUND		771,281		1,082,239		1,968,644		1,968,644		3,038,683
RATE STABILIZATION RESERVE (4)		1,405,969		1,294,961		622,456		1,794,756		1,060,917
TOTAL RESERVE BALANCES	2,475,203	6,433,393	2,583,141	8,146,505	2,757,996	10,965,433	2,817,796	10,670,491	2,996,085	11,441,778
AMORTIZATION (NON-CASH ITEM)	9,149		9,149		9,149		9,149		9,149	
DEPRECIATION (NON-CASH ITEM)	4,263,000		4,348,000		4,434,000		4,522,000		4,612,000	

ASSUMPTIONS:

(1) REVENUES

Enterprise revenue includes service charges, propert tax, interest income and other misc revenue.

Capital Fund revenue includes capacity charges, capital grants and capital improvement charges

Service charge rates increase 9% years 1 & 2; 8.75% 3 - 10.

Investments earn 1% to 3% net of investment fees.

Commercial capacity fees projected assume collections equivalent to a 4" connection.

Residential capacity fees are based on 30 residential allocations each year.

Water fund receives 25% of prop tax in year 1, 30% years 2 - 4, 15% in years 5 - 10.

(2) EXPENDITURES

O&M Expenses and Depreciation increase at 2.0% per year. Specific known changes adjusted as appropriate.

Benefits include a 3% escalator beginning year 2023/24 due to potential tax and PERS/health insurance increases.

Salaries include a 3% escalator beginning 2023/24 to account for standard step increases and other potential adjustments.

Ten Year CIP plan in the amount of \$118.4 million (Includes all departments)

Debt Service includes principle and interest payments on current debt as well as an additional \$53.0M million over the ten year forecast.

\$150,000 contingency reserve for all years.

SOUTH TAHOE PUBLIC UTILITY DISTRICT

WATER TEN-YEAR FINANCIAL PLAN (CONTINUED)										
	2027/28 FORECAST	2027/28 FORECAST	2028/29 FORECAST	2028/29 FORECAST	2029/30 FORECAST	2029/30 FORECAST	2030/31 FORECAST	2030/31 FORECAST	2031/32 FORECAST	2031/32 FORECAST
	ENTERPRISE FUND	CAPITAL OUTLAY RESERVE	ENTERPRISE FUND	CAPITAL OUTLAY RESERVE	ENTERPRISE FUND	CAPITAL OUTLAY RESERVE	ENTERPRISE FUND	CAPITAL OUTLAY RESERVE	ENTERPRISE FUND	CAPITAL OUTLAY RESERVE
BEGINNING CASH BALANCES	2,996,085	11,441,778	3,141,077	11,463,552	3,320,151	14,550,579	3,454,024	13,963,769	3,519,578	16,558,508
REVENUES (1)	23,459,226	1,766,000	25,505,509	1,766,000	27,759,203	1,766,000	30,166,258	1,766,000	32,809,619	1,766,000
BORROWINGS		6,267,000		8,797,000		5,129,000		5,820,000		
AVAILABLE FUNDS	26,455,312	19,474,778	28,646,585	22,026,552	31,079,354	21,445,579	33,620,282	21,549,769	36,329,196	18,324,508
SALARIES (2)	5,132,585	1,108,986	5,286,563	1,142,256	5,445,160	1,176,523	5,608,514	1,211,819	5,776,770	1,248,173
BENEFITS (2)	2,695,221	462,877	2,776,077	476,764	2,859,360	491,066	2,945,140	505,798	3,033,495	520,972
OPERATIONS & MAINTENANCE (2)	5,263,610	559,182	5,368,882	570,365	5,476,260	581,773	5,585,785	593,408	5,697,501	605,276
CAPITAL OUTLAY		12,479,000		12,881,500		14,383,000		13,974,500		14,472,000
DEBT SERVICE (2)	1,421,000	2,203,000	1,758,000	2,542,000	1,915,000	2,779,000	2,100,000	2,567,000	2,016,000	2,651,000
TOTAL CASH OUTLAYS	14,512,416	16,813,045	15,189,522	17,612,884	15,695,779	19,411,362	16,239,440	18,852,525	16,523,765	19,497,422
BALANCE BEFORE TRANSFERS	11,942,896	2,661,733	13,457,063	4,413,667	15,383,575	2,034,217	17,380,842	2,697,243	19,805,431	-1,172,914
CAPITAL OUTLAY FUND TRANSFERS	-8,801,819	8,801,819	-10,136,912	10,136,912	-11,929,551	11,929,551	-13,861,264	13,861,264	-16,213,900	16,213,900
ACCRUAL TO CASH ADJUSTMENT	0	0	0	0	0	0	0	0	0	0
RATE STABILIZATION AND DEBT RESERVES		-4,465,800		-4,864,000		-5,297,200		-5,768,200		-6,280,400
OPERATING AND CAPITAL OUTLAY RESERVES (3)	3,141,077	6,997,752	3,320,151	9,686,579	3,454,024	8,666,569	3,519,578	10,790,308	3,591,531	8,760,585
DEBT PAYMENT RESERVE FUND		3,038,683		4,057,830		4,057,830		4,595,963		4,595,963
RATE STABILIZATION RESERVE (4)		1,427,117		806,170		1,239,370		1,172,237		1,684,437
TOTAL RESERVE BALANCES	3,141,077	11,463,552	3,320,151	14,550,579	3,454,024	13,963,769	3,519,578	16,558,508	3,591,531	15,040,985
AMORTIZATION (NON-CASH ITEM)	9,149		9,149		9,149		9,149		9,149	
DEPRECIATION (NON-CASH ITEM)	4,704,000		4,798,000		4,893,000		4,990,000		5,089,000	

(3) OPERATING & CAPITAL RESERVES

Operating reserve is equal to two months of operating costs. Remaining reserves are available for debt service and capital projects.

(4) RATE STABILIZATION AND DEBT PAYMENT RESERVES

A reserve equal to 10% of water service charge revenue is established to provide a rate stabilization and debt reserve fund. Reserve increases to 15% of revenues in year 2022/23 - 2024/25, 20% in 2025/26 to cover growing debt reserve.

RESULTS:

Funding is available for all proposed Capital Projects and reserve levels comply with the Reserve Policy.

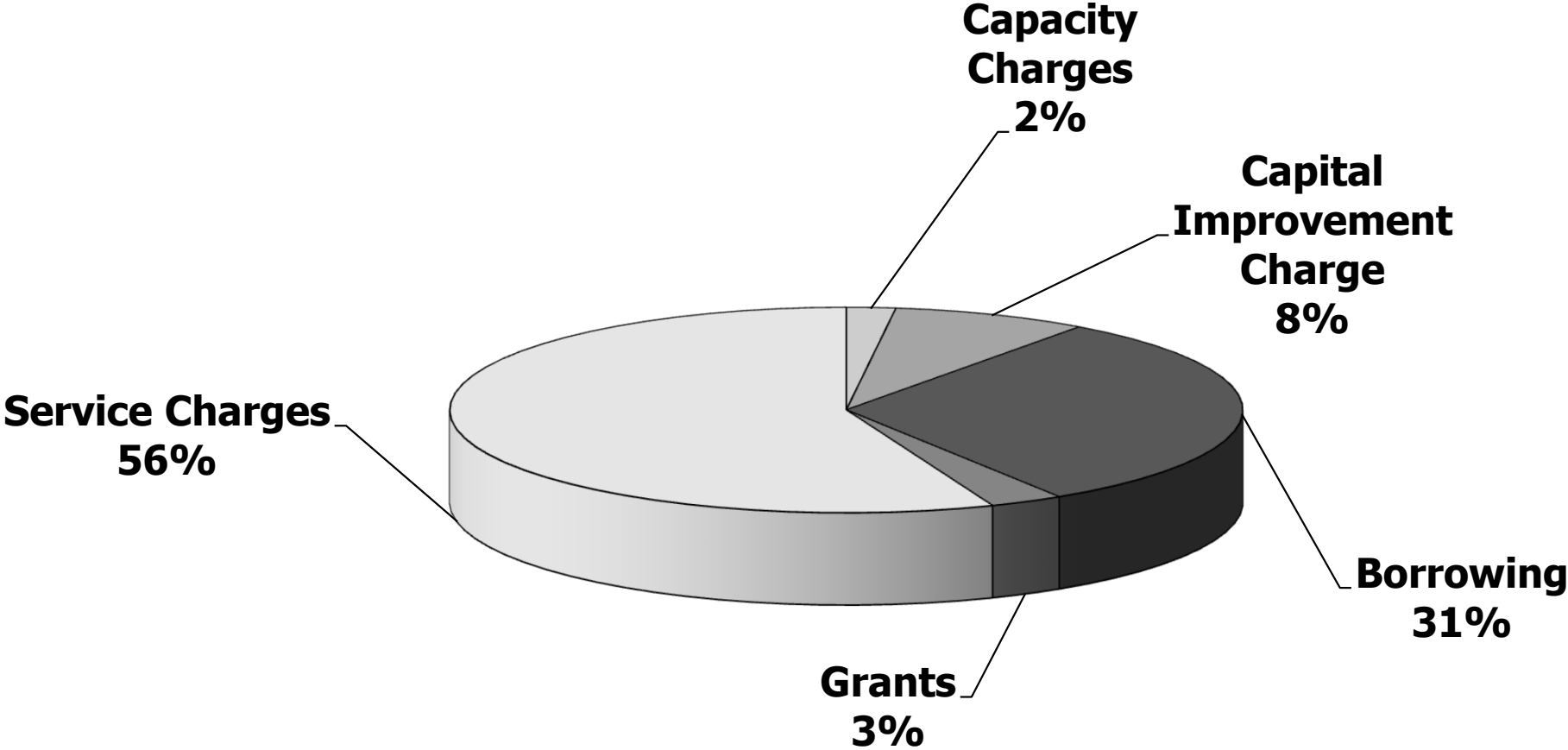
Operating revenue covers operating expenses at all times.

District is in compliance with the "net revenue" debt covenants.

Capital Improvement Program is greater than 100% of depreciation

WATER ENTERPRISE FUND

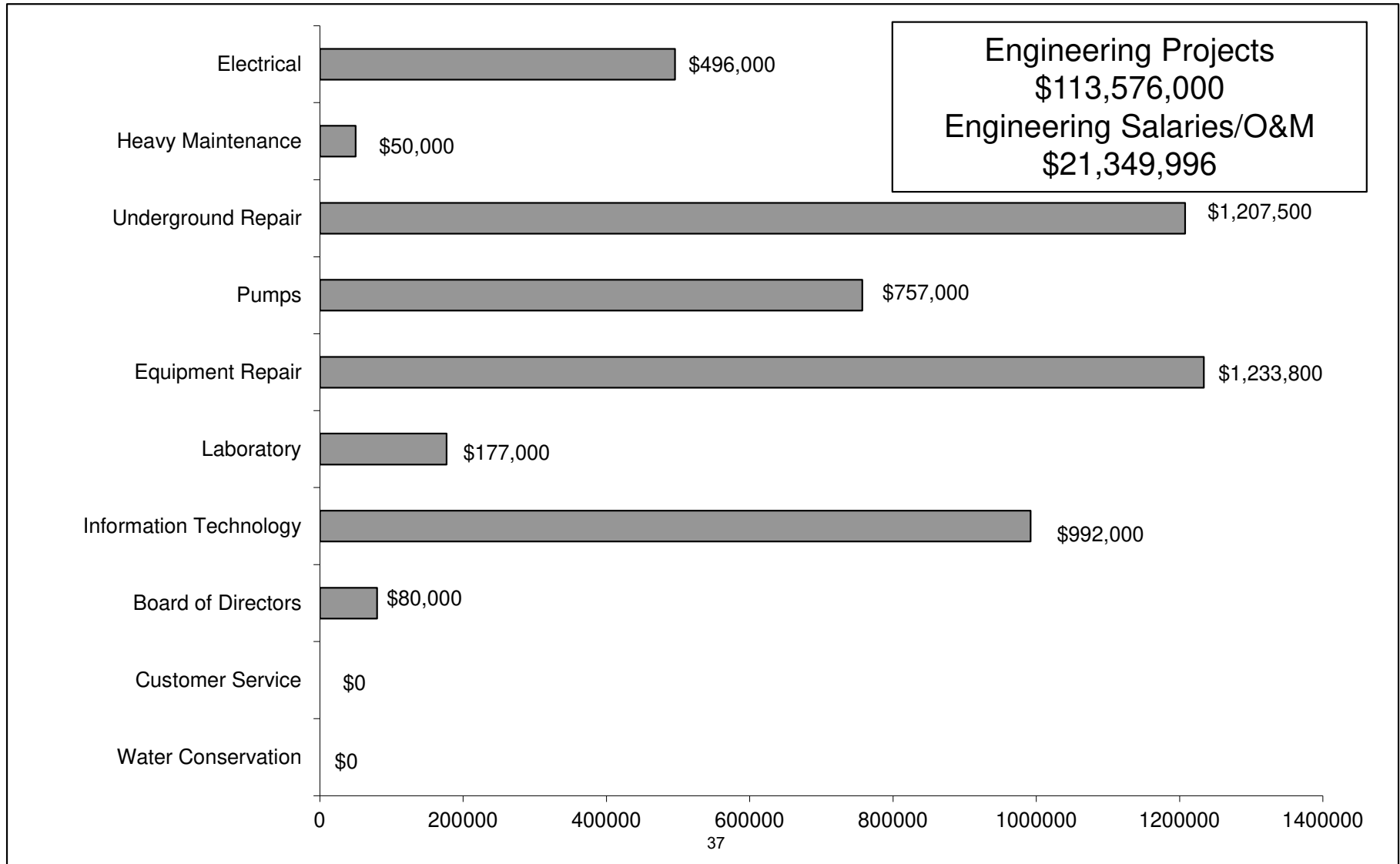
Funding Sources for Capital Projects Fund



WATER ENTERPRISE FUND CAPITAL PROJECTS

All Other
Departments

Ten Years Ending June 30, 2032



WATER

TEN-YEAR CAPITAL PLAN

BY DEPARTMENT

and

BY PROJECT

WATER TOTALS

DEPARTMENT	22-23 BUDGET	23-24 BUDGET	24-25 BUDGET	25-26 BUDGET	26-27 BUDGET	27-28 BUDGET	28-29 BUDGET	29-30 BUDGET	30-31 BUDGET	31-32 BUDGET	TOTALS
UNDERGROUND REPAIR	138,500	134,000	118,000	109,000	105,000	151,000	115,000	119,000	118,000	100,000	1,207,500
PUMPS	117,000	50,000	55,000	50,000	87,000	68,000	50,000	50,000	50,000	180,000	757,000
ELECTRICAL	22,000	70,000	74,000	65,000	65,000	65,000	5,000	65,000	0	65,000	496,000
HEAVY MAINTENANCE	10,000	0	10,000	0	10,000	0	10,000	0	10,000	0	50,000
EQUIPMENT REPAIR	390,400	260,000	267,600	80,000	7,800	0	228,000	0	0	0	1,233,800
LABORATORY	46,000	46,000	15,000	0	5,000	15,000	35,000	15,000	0	0	177,000
BOARD OF DIRECTORS	0	0	5,000	75,000	0	0	0	0	0	0	80,000
ADMINISTRATION	0	0	0	0	0	0	0	0	0	0	0
HUMAN RESOURCES	0	0	0	0	0	0	0	0	0	0	0
PUBLIC AFFAIRS/WATER CONSERVATION	0	0	0	0	0	0	0	0	0	0	0
ENGINEERING	10,709,000	8,104,000	5,980,000	9,824,000	13,052,000	11,839,000	12,155,000	14,066,000	13,750,000	14,097,000	113,576,000
INFORMATION TECHNOLOGY	14,000	210,000	108,000	127,500	25,000	108,000	169,000	97,000	74,500	59,000	992,000
CUSTOMER SERVICE	0	0	0	0	0	0	0	0	0	0	0
INSPECTIONS	0	0	0	0	0	0	17,500	0	0	0	17,500
FINANCE	0	0	0	0	0	0	0	0	0	0	0
ACCOUNTING	0	0	0	0	0	0	0	0	0	0	0
PURCHASING	0	0	35,000	0	0	0	0	0	0	0	35,000
ENGINEERING STAFF & EXPENSES	1,862,371	1,918,242	1,975,789	2,035,063	2,096,115	2,158,998	2,223,768	2,290,481	2,359,196	2,429,972	21,349,996
	13,309,271	10,792,242	8,643,389	12,365,563	15,452,915	14,404,998	15,008,268	16,702,481	16,361,696	16,930,972	139,971,796

WATER PUMPS

USE OR BENEFIT EXPLANATION	22-23 BUDGET	23-24 BUDGET	24-25 BUDGET	25-26 BUDGET	26-27 BUDGET	27-28 BUDGET	28-29 BUDGET	29-30 BUDGET	30-31 BUDGET	31-32 BUDGET	TOTALS	
1 SECURITY MEASURES	5,000		5,000		5,000						15,000	1
2 REPLACE ARROWHEAD WELL MEDIA					14,000						14,000	2
3 PUMP REBUILDS	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	450,000	3
4 TANK MIXERS	46,000										46,000	4
5 NEW PUMP FOR FILTER PLANT #1	6,000										6,000	5
6 NEW PUMP FOR KELLER BOOSTER					18,000						18,000	6
7 NEW PUMP/MOTOR FOR KELLER BOOSTER						18,000					18,000	7
8 MEDIA REPLACEMENT AT ARROWHEAD WELL										180,000	180,000	8
9 PRV FLAGPOLE BOOSTER	10,000										10,000	9
	117,000	50,000	55,000	50,000	87,000	68,000	50,000	50,000	50,000	180,000	757,000	

WATER EQUIPMENT REPAIR - PAGE 1

USE OR BENEFIT EXPLANATION	22-23 BUDGET	23-24 BUDGET	24-25 BUDGET	25-26 BUDGET	26-27 BUDGET	27-28 BUDGET	28-29 BUDGET	29-30 BUDGET	30-31 BUDGET	31-32 BUDGET	TOTALS	
1 REPLACE GENERATOR SETS		80,000					50,000				130,000	1
2 REPLACE ENGINE/TRANSMISSION	7,400		7,600		7,800		8,000				30,800	2
3 EQUIPMENT REPAIR SHOP IMPROVEMENTS	10,000										10,000	3
	17,400	80,000	7,600	0	7,800	0	58,000	0	0	0	170,800	

WATER EQUIPMENT REPAIR (VEHICLES) - PAGE 2

USE OR BENEFIT EXPLANATION	22-23 BUDGET	23-24 BUDGET	24-25 BUDGET	25-26 BUDGET	26-27 BUDGET	27-28 BUDGET	28-29 BUDGET	29-30 BUDGET	30-31 BUDGET	31-32 BUDGET	TOTALS	
4 REPLACE U/R WATER SERVICE TRUCK #77 (2001)		50,000									50,000	4
5 REPLACE U/R TRUCK #32 (2009)				45,000							45,000	5
6 REPLACE U/R FLATBED TRUCK #43 (1988)			40,000								40,000	6
7 REPLACE U/R BACKHOE #47 (2003)	150,000										150,000	7
8 REPLACE U/R TRUCK #61 (2011) INCLUDE SNOW PLOW AND VACUUM	50,000										50,000	8
9 REPLACE U/R TRUCK #25 (2000)							70,000				70,000	9
10 REPLACE U/R TRUCK #34							70,000				70,000	10
11 REPLACE U/R LOADER #22/#55			185,000								185,000	11
12 REPLACE U/R BACKHOE #48 (2006)		130,000									130,000	12
13 REPLACE PUMPS TRUCK #46 (2011)	63,000										63,000	13
14 REPLACE EQUIPMENT REPAIR TRUCK #33	45,000										45,000	14
15 REPLACE LAB TRUCK #82 (2006)							30,000				30,000	15
16 REPLACE ENG. TRUCK #37 (2002)	35,000										35,000	16
17 REPLACE INSPECTIONS TRUCK #64 (2013)				35,000							35,000	17
18 REPLACE PURCHASING VEHICLE #5 (1999)			35,000								35,000	18
19 NEW IT TRUCK	30,000										30,000	19
	373,000	180,000	260,000	80,000	0	0	170,000	0	0	0	1,063,000	
	390,400	260,000	267,600	80,000	7,800	0	228,000	0	0	0	1,233,800	

WATER ENGINEERING - PAGE 1

USE OR BENEFIT EXPLANATION	22-23 BUDGET	23-24 BUDGET	24-25 BUDGET	25-26 BUDGET	26-27 BUDGET	27-28 BUDGET	28-29 BUDGET	29-30 BUDGET	30-31 BUDGET	31-32 BUDGET	TOTALS		
1 WATER REPAIR UNPLANNED REPAIRS	500,000										500,000	1	
2 HEAVENLY TANK COATING/IMPROVEMENTS											0	2	
3 KELLER-HEAVENLY ZONE IMPROVEMENTS (3)	1,644,000	1,081,000									2,725,000	3	
4 METERS - CLEANUP	409,000	348,000	359,000								1,116,000	4	
5 CATHODIC PROTECTION ON WATER SERVICES (PHASE 1)		54,000	516,000								570,000	5	
10 VALVE AND FIRE HYDRANT REPLACEMENTS	** 349,000	360,000	371,000	382,000	393,000	405,000	417,000	430,000	442,000	456,000	4,005,000	10	
11 AMI TOWER REPLACEMENT			29,000	60,000	62,000	32,000					183,000	11	
12 FUTURE HYDRANTS				374,000	769,000						1,143,000	12	
13 BOWERS WATERLINE	1,301,000										1,301,000	13	
14 BIJOU #2 AND #3 WATERLINE	1,343,000										1,343,000	14	
15 BLACK BART #1 AND #2 WATERLINE	1,304,000	2,686,000									3,990,000	15	
16 GLENWOOD RANCHO WATERLINE	52,000			1,671,000	3,442,000						5,165,000	16	
17 HERBERT WALKUP WATERLINE			1,485,000	2,833,000							4,318,000	17	
18 LAKE TAHOE BLVD. WATERLINE	30,000						1,086,000	2,199,000			3,315,000	18	
19 ANGORA CREEK WATERLINE	30,000							1,560,000	3,175,000		4,765,000	19	
20 CLEARVIEW MOUNTAIN MEADOW WATERLINE	30,000								1,433,000	2,913,000	4,376,000	20	
21 TAHOE MOUNTAIN WATERLINE REPLACEMENT	30,000					684,000	1,374,000				2,088,000	21	
22 PARK AVENUE #1 WATERLINE	25,000		294,000	579,000							898,000	22	
23 APACHE AVENUE WATERLINE IMPROVEMENTS	303,000	624,000									927,000	23	
24 BIJOU #1 WATERLINE	150,000					868,000	1,614,000				2,632,000	24	
25 GARDNER MOUNTAIN #2 WATERLINE						586,000	1,206,000				1,792,000	25	
26 GARDNER MOUNTAIN #4 WATERLINE						595,000	1,225,000				1,820,000	26	
27 WILDWOOD #3 WATERLINE							758,000	1,561,000			2,319,000	27	
28 WILDWOOD #5 (+PRV) WATERLINE							609,000	1,253,000			1,862,000	28	
29 SIERRA TRACT #2 WATERLINE								802,000	1,652,000		2,454,000	29	
30 SIERRA TRACT PROJECT M WATERLINE								1,266,000	2,608,000		3,874,000	30	
31 PALMIRA WATERLINE REPLACEMENT								242,000	497,000		739,000	31	
32 BIJOU #4 WATERLINE								1,437,000	2,959,000		4,396,000	32	
33 WILDWOOD #2 WATERLINE									775,000	1,596,000	2,371,000	33	
34 MEYERS #1 WATERLINE							148,000	304,000			452,000	34	
35 WILDWOOD #2 WATERLINE									758,000	1,561,000	2,319,000	35	
36 GARDNER MOUNTAIN #3 WATERLINE									796,000	1,639,000	2,435,000	36	
37 GARDNER MOUNTAIN #1 WATERLINE									743,000	1,529,000	2,272,000	37	
38 PT (LARCH TO SKI RUN) WATERLINE IMPROVEMENTS	123,000	253,000									376,000	38	
39 SIERRA TRACT #5 WATERLINE										826,000	1,702,000	2,528,000	39
40 SIERRA TRACT #4 WATERLINE										974,000	2,007,000	2,981,000	40
41 SIERRA TRACT #1 WATERLINE									1,144,000	2,357,000	3,501,000	41	
42 PIONEER TRAIL WATERLINE - GOLDEN BEAR TO PINE VALLEY				1,274,000	2,625,000						3,899,000	42	
43 REPLACE PT/MARSHALL AND PT/KOKANEE PRV				213,000	438,000						651,000	43	
44 NEW PRV AT WASHOAN-NADOWA	121,000	248,000									369,000	44	
45 NEW PRV AT JICARILLA/PT (SUSQUEHANNA ZONE)				132,000	271,000						403,000	45	
46 UTR MEYERS WATERLINE RELIABILITY IMPROVEMENTS	52,000										52,000	46	
SUBTOTAL	7,796,000	5,654,000	3,054,000	7,518,000	10,049,000	6,681,000	9,742,000	13,438,000	12,690,000	12,603,000	89,225,000		

** Includes a flat rate cost per year.

WATER ENGINEERING - PAGE 2

USE OR BENEFIT EXPLANATION	22-23 BUDGET	23-24 BUDGET	24-25 BUDGET	25-26 BUDGET	26-27 BUDGET	27-28 BUDGET	28-29 BUDGET	29-30 BUDGET	30-31 BUDGET	31-32 BUDGET	TOTALS	
47 REGINA/DONNER WATERLINE (+NP#5 PRV)		22,000	43,000	88,000							153,000	47
48 REPLACE NEEDLE PEAK #5 PRV		11,000	123,000	252,000							386,000	48
50 FIELD COMMUNICATION UPGRADES PHASE 3		160,000									160,000	50
51 GENERATOR AT KELLER	197,000										197,000	51
52 GENERATOR AT PALOMA	197,000										197,000	52
53 UPPER MONTGOMERY BOOSTER, FIRE, PUMP, WATERLINE (1)			116,000		513,000	1,057,000					1,686,000	53
54 H STREET ZONE BOOSTER, FIRE PUMP			116,000		423,000	872,000					1,411,000	54
55 AL TAHOE WELL REHAB	222,000		411,000	845,000							1,478,000	55
56 AL TAHOE/BAYVIEW BACKUP POWER	258,000	716,000	1,474,000								2,448,000	56
57 KELLER BOOSTER UPGRADES	296,000	609,000									905,000	57
58 DAVID LANE BOOSTER IMPROVEMENTS, GEN CONNECT						487,000	1,002,000				1,489,000	58
59 FLAGPOLE ZONE IMPROVEMENTS									378,000	777,000	1,155,000	59
60 PALOMA WELL REHABILITATION	400,000										400,000	60
61 BAYVIEW WELL VFD AND CONTROL SYSTEM UPGRADES	132,000										132,000	61
62 WATER BOOSTER STATION AND WELL MONITORING				523,000	539,000	131,000	135,000	139,000	143,000	147,000	1,757,000	62
63 TANKS BACKUP POWER	509,000										509,000	63
64 WATER EFFICIENCY IMPROVEMENTS						364,000	750,000				1,114,000	64
65 WATER LOSS TRACKING (STATELINE DMS)					662,000	1,362,000					2,024,000	65
66 TANK COATINGS (STATELINE NO. 1)		226,000	465,000								691,000	66
67 TANK COATINGS (GARDNER NO. 1)			116,000	239,000							355,000	67
68 TANK COATINGS (STATELINE NO. 2)					312,000	642,000					954,000	68
69 TANK COATINGS (FLAGPOLE NO. 2)	84,000	172,000									256,000	69
70 TANK COATINGS (ARROWHEAD)				217,000	446,000						663,000	70
71 TANK COATINGS (IROQUOIS 1)						134,000	275,000				409,000	71
72 TANK COATINGS (ANGORA)							136,000	281,000			417,000	72
73 TANK COATINGS (ECHO VIEW)								134,000	276,000		410,000	73
74 TANK COATINGS (FOREST MOUNTAIN)									141,000	290,000	431,000	74
75 TANK COATINGS (COUNTRY CLUB)										155,000	155,000	75
76 TANKS ASSET MANAGEMENT PROGRAM		99,000	62,000	142,000	108,000	109,000	115,000	74,000	122,000	125,000	956,000	76
78 BAKERSFIELD PUMP/MOTOR REPLACEMENT		380,000									380,000	78
79 MW INSTALLATIONS -STPUD GSA		55,000									55,000	79
81 VIEW CIRCLE WATERLINE REPAIR AND PAVING	214,000										214,000	81
82 O'REILLY LOOP LINE/HIGHWAY 50	52,000										52,000	82
83 ARROWHEAD TANK CONTROL ROOM REPAIRS	52,000										52,000	83
84 LOOKOUT TANK ACCESS ROAD REPAIRS	248,000										248,000	84
85 PT/COLD CREEK COURT WATERLINE ABANDONMENT	52,000										52,000	85
SUBTOTAL	2,913,000	2,450,000	2,926,000	2,306,000	3,003,000	5,158,000	2,413,000	628,000	1,060,000	1,494,000	24,351,000	
TOTALS	10,709,000	8,104,000	5,980,000	9,824,000	13,052,000	11,839,000	12,155,000	14,066,000	13,750,000	14,097,000	113,576,000	

WATER BOARD OF DIRECTORS

USE OR BENEFIT EXPLANATION	22-23 BUDGET	23-24 BUDGET	24-25 BUDGET	25-26 BUDGET	26-27 BUDGET	27-28 BUDGET	28-29 BUDGET	29-30 BUDGET	30-31 BUDGET	31-32 BUDGET	TOTALS	
1 REPLACE BOARDROOM COMPONENTS				75,000							75,000	1
2 REPLACE BOARDROOM AV EQUIPMENT			5,000								5,000	2
	0	0	5,000	75,000	0	0	0	0	0	0	80,000	

WATER ADMINISTRATION

USE OR BENEFIT EXPLANATION	22-23 BUDGET	23-24 BUDGET	24-25 BUDGET	25-26 BUDGET	26-27 BUDGET	27-28 BUDGET	28-29 BUDGET	29-30 BUDGET	30-31 BUDGET	31-32 BUDGET	TOTALS
											0
	0	0	0	0	0	0	0	0	0	0	0

WATER HUMAN RESOURCES

USE OR BENEFIT EXPLANATION	22-23 BUDGET	23-24 BUDGET	24-25 BUDGET	25-26 BUDGET	26-27 BUDGET	27-28 BUDGET	28-29 BUDGET	29-30 BUDGET	30-31 BUDGET	31-32 BUDGET	TOTALS
											0
	0	0	0	0	0	0	0	0	0	0	0

WATER PUBLIC AFFAIRS/WATER CONSERVATION

USE OR BENEFIT EXPLANATION	22-23 BUDGET	23-24 BUDGET	24-25 BUDGET	25-26 BUDGET	26-27 BUDGET	27-28 BUDGET	28-29 BUDGET	29-30 BUDGET	30-31 BUDGET	31-32 BUDGET	TOTALS
	0	0	0	0	0	0	0	0	0	0	0

WATER CUSTOMER SERVICE

USE OR BENEFIT EXPLANATION	22-23 BUDGET	23-24 BUDGET	24-25 BUDGET	25-26 BUDGET	26-27 BUDGET	27-28 BUDGET	28-29 BUDGET	29-30 BUDGET	30-31 BUDGET	31-32 BUDGET	TOTALS
	0	0	0	0	0	0	0	0	0	0	0

WATER INSPECTIONS

USE OR BENEFIT EXPLANATION	22-23 BUDGET	23-24 BUDGET	24-25 BUDGET	25-26 BUDGET	26-27 BUDGET	27-28 BUDGET	28-29 BUDGET	29-30 BUDGET	30-31 BUDGET	31-32 BUDGET	TOTALS	
1 REPLACE DIGITAL LOCATING EQUIPMENT							7,500				7,500	1
2 METER TESTER							10,000				10,000	2
	0	0	0	0	0	0	17,500	0	0	0	17,500	

WATER FINANCE

USE OR BENEFIT EXPLANATION	22-23 BUDGET	23-24 BUDGET	24-25 BUDGET	25-26 BUDGET	26-27 BUDGET	27-28 BUDGET	28-29 BUDGET	29-30 BUDGET	30-31 BUDGET	31-32 BUDGET	TOTALS
											0
	0	0	0	0	0	0	0	0	0	0	0

WATER ACCOUNTING

USE OR BENEFIT EXPLANATION	22-23 BUDGET	23-24 BUDGET	24-25 BUDGET	25-26 BUDGET	26-27 BUDGET	27-28 BUDGET	28-29 BUDGET	29-30 BUDGET	30-31 BUDGET	31-32 BUDGET	TOTALS
											0
	0	0	0	0	0	0	0	0	0	0	0

WATER PURCHASING

USE OR BENEFIT EXPLANATION	22-23 BUDGET	23-24 BUDGET	24-25 BUDGET	25-26 BUDGET	26-27 BUDGET	27-28 BUDGET	28-29 BUDGET	29-30 BUDGET	30-31 BUDGET	31-32 BUDGET	TOTALS	
1 REPLACE CARPET/FLOORING IN ADMIN BUILDING			35,000								35,000	1
	0	0	35,000	0	0	0	0	0	0	0	35,000	

ACKNOWLEDGMENTS

Paul Hughes, Chief Financial Officer

Debbie Henderson, Accounting Manager

Chelsea Block, Finance Assistant

BOARD OF DIRECTORS' FINANCE COMMITTEE:

David Peterson

Kelly Sheehan

