

Budget

Irrigation Water

Tax Split 85% - 15%

Option 1

EXPENSES AND SOURCES OF FUNDS	2017	2018	2019	2020	2021
OPERATIONS & MAINTENANCE EXPENSES					
Personnel Related	1,010,085.13	1,057,894.47	1,108,838.79	1,154,040.79	1,177,121.61
Materials and Supplies	28,784.44	30,223.66	31,734.85	33,321.59	33,988.02
Rental/Durable	15,808.95	16,599.40	17,429.37	18,300.84	18,666.86
Staff Development	3,232.67	3,394.31	3,564.02	3,742.22	3,817.07
Travel-Conference	2,708.41	2,843.83	2,986.02	3,135.32	3,198.03
Utilities	14,419.87	15,140.86	15,897.90	16,692.80	17,026.65
Vehicle & Equipment Maintenance	2,372.19	2,490.80	2,615.34	2,746.10	2,801.02
Vehicle Operations	15,015.97	15,766.77	16,555.11	17,382.87	17,730.53
Building Maintenance	2,669.15	2,802.61	2,942.74	3,089.88	3,151.68
Govt. Reg./Lab Fees	28,235.41	29,647.18	31,129.54	32,686.01	33,339.73
Outside Service/Consultants	46,167.03	48,475.39	50,899.15	53,444.11	54,512.99
		0.00	0.00	0.00	0.00
Total Operation and Maintenance Expenses:	1,169,499.23	1,225,279.28	1,284,592.84	1,338,582.54	1,365,354.19
GENERAL & ADMINISTRATIVE EXPENSES					
Retiree Health Premium	42,706.00	44,842.00	47,084.00	49,438.00	50,426.76
Debt Reserve	0.00	0.00	0.00	0.00	0.00
Operating Reserve	8,011.25	8,011.25	8,011.25	8,011.25	8,011.25
Emergency Reserve	0.00	0.00	0.00	0.00	0.00
Existing Capital Replacement Program	369,747.83	364,974.01	364,974.01	364,974.01	364,974.01
Funded Project Replacement Program	0.00	0.00	0.00	0.00	0.00
Future Capital Improvement Program	0.00	0.00	0.00	0.00	0.00
Debt Payments (Principle + Interest)	1,043.74	1,043.74	0.00	0.00	0.00
Legal, Audit, Insurance,	58,056.40	60,959.22	64,007.18	67,207.54	68,551.69
Other General & Administrative	55,013.08	57,763.73	60,651.92	63,684.51	64,958.20
Total General and Administrative Expenses:	534,578.30	537,593.95	544,728.36	553,315.31	556,921.91
TOTAL EXPENSES	1,704,077.53	1,762,873.23	1,829,321.19	1,891,897.85	1,922,276.10
SOURCE OF FUNDS / REVENUES RECEIVED					
Water Revenue	1,192,854.27	1,312,139.70	1,443,353.67	1,587,689.03	1,746,457.94
Property Tax	235,350.00	240,057.00	244,858.14	249,755.30	254,750.41
		0.00	0.00	0.00	0.00
		0.00	0.00	0.00	0.00
		0.00	0.00	0.00	0.00
TOTAL REVENUE (Lines 29 through 37):	1,428,204.27	1,552,196.70	1,688,211.81	1,837,444.34	2,001,208.35
NET LOSS OR GAIN:	-275,873.26	-210,676.53	-141,109.39	-54,453.51	78,932.25
NET CASH FLOW (Contribution to Reserves)	101,885.82	162,308.73	231,875.87	318,531.75	451,917.51

New Rates: Irrigation TW/IW 85/15 Split (Option 1)

Meter Size (MI)	Meter Size (metric)	Theoretical Seasonal Rate by MI	% of Theoretical Rate	Proposed Base Charge for Year 1	Year 2	Year 3	Year 4	Year 5
Future Increases					10.0%	10.0%	10.0%	10.0%
1/2"	0.500	\$1,370	70%	\$959	\$1,055	\$1,160	\$1,276	\$1,404
1"	1.000	\$2,740	70%	\$1,918	\$2,110	\$2,321	\$2,553	\$2,808
1.5"	1.500	\$4,110	70%	\$2,877	\$3,164	\$3,481	\$3,829	\$4,212
2"	2.000	\$5,479	70%	\$3,836	\$4,219	\$4,641	\$5,105	\$5,616
2.5"	2.500	\$6,849	70%	\$4,794	\$5,274	\$5,801	\$6,381	\$7,020
3"	3.000	\$8,219	70%	\$5,753	\$6,329	\$6,962	\$7,658	\$8,423
3.5"	3.500	\$9,589	70%	\$6,712	\$7,383	\$8,122	\$8,934	\$9,827
4"	4.000	\$10,959	70%	\$7,671	\$8,438	\$9,282	\$10,210	\$11,231
5"	5.000	\$13,698	70%	\$9,589	\$10,548	\$11,603	\$12,763	\$14,039
6"	6.000	\$16,438	70%	\$11,507	\$12,657	\$13,923	\$15,315	\$16,847
7"	7.000	\$19,178	70%	\$13,424	\$14,767	\$16,244	\$17,868	\$19,655
8"	8.000	\$21,917	70%	\$15,342	\$16,876	\$18,564	\$20,420	\$22,462
9"	9.000	\$24,657	70%	\$17,260	\$18,986	\$20,885	\$22,973	\$25,270
10"	10.000	\$27,397	70%	\$19,178	\$21,095	\$23,205	\$25,526	\$28,078
12"	12.000	\$32,876	70%	\$23,013	\$25,315	\$27,846	\$30,631	\$33,694
15"	15.000	\$41,095	70%	\$28,767	\$31,643	\$34,808	\$38,288	\$42,117
16"	16.000	\$43,835	70%	\$30,684	\$33,753	\$37,128	\$40,841	\$44,925
18"	18.000	\$49,314	70%	\$34,520	\$37,972	\$41,769	\$45,946	\$50,541
20"	20.000	\$54,793	70%	\$38,355	\$42,191	\$46,410	\$51,051	\$56,156
25"	25.000	\$68,492	70%	\$47,944	\$52,739	\$58,013	\$63,814	\$70,195
30"	30.000	\$82,190	70%	\$57,533	\$63,286	\$69,615	\$76,577	\$84,234
40"	40.000	\$109,587	70%	\$76,711	\$84,382	\$92,820	\$102,102	\$112,312
43"	43.000	\$117,806	70%	\$82,464	\$90,711	\$99,782	\$109,760	\$120,736

Expenses from Budget	\$ 1,704,078	\$ 1,762,873	\$ 1,829,321	\$ 1,891,898	\$ 1,922,276
Income Generated by the Selected Rate	\$ 1,192,854	\$ 1,312,140	\$ 1,443,354	\$ 1,587,689	\$ 1,746,458
Net Gain or Loss	-275,873	-210,677	-141,109	-54,454	78,932
Balanced Budget?	No	No	No	No	Yes
Contributions to Reserve	\$ 101,886	\$ 162,309	\$ 231,876	\$ 318,532	\$ 451,918
Target Contribution to Reserve	\$ 377,759	\$ 372,985	\$ 372,985	\$ 372,985	\$ 372,985

Budget


Treated Water

Tax Split 85% - 15%


Option 1

EXPENSES AND SOURCES OF FUNDS	2017	2018	2019	2020	2021
OPERATIONS & MAINTENANCE EXPENSES					
Personnel Related	1,999,518.21	2,081,721.95	2,168,566.51	2,251,341.22	2,296,368.04
Materials and Supplies	147,315.56	154,681.34	162,415.40	170,536.17	173,946.90
Rental/Durable	9,191.05	9,650.60	10,133.13	10,639.79	10,852.58
Staff Development	8,419.81	8,840.80	9,282.84	9,746.98	9,941.92
Travel-Conference	7,759.10	8,147.05	8,554.41	8,982.13	9,161.77
Utilities	180,729.69	189,766.18	199,254.48	209,217.21	213,401.55
Vehicle & Equipment Maintenance	2,627.81	2,759.20	2,897.16	3,042.02	3,102.86
Vehicle Operations	20,484.03	21,508.23	22,583.64	23,712.82	24,187.08
Building Maintenance	6,675.63	7,009.41	7,359.88	7,727.88	7,882.44
Govt. Reg./Lab Fees	55,904.33	58,699.55	61,634.53	64,716.25	66,010.58
Outside Service/Consultants	57,996.31	60,896.12	63,940.93	67,137.98	68,480.73
		0.00	0.00	0.00	0.00
Total Operation and Maintenance Expenses:	2,496,621.52	2,603,680.43	2,716,622.91	2,826,800.44	2,883,336.45
GENERAL & ADMINISTRATIVE EXPENSES					
Retiree Health Premium	90,810.00	95,350.62	100,118.15	105,124.06	107,226.54
Debt Reserve	0.00	0.00	0.00	0.00	0.00
Operating Reserve	0.00	0.00	0.00	0.00	0.00
Emergency Reserve	0.00	0.00	0.00	0.00	0.00
Existing Capital Replacement Program	1,995,633.36	1,991,412.99	1,823,748.89	1,823,748.89	1,823,748.89
Funded Project Replacement Program	0.00	0.00	0.00	0.00	0.00
Future Capital Improvement Program	0.00	0.00	0.00	0.00	0.00
Debt Payments (Principle + Interest)	59,348.26	59,348.26	144,112.12	144,112.12	144,112.12
Legal, Audit, Insurance,	125,567.54	131,845.92	138,438.21	145,360.12	148,267.33
Other General & Administrative	105,037.25	110,289.11	115,803.57	121,593.75	124,025.62
Total General and Administrative Expenses:	2,376,396.41	2,388,246.90	2,322,220.95	2,339,938.95	2,347,380.51
TOTAL EXPENSES	4,873,017.93	4,991,927.33	5,038,843.87	5,166,739.39	5,230,716.96
SOURCE OF FUNDS / REVENUES RECEIVED					
Water Revenue	2,942,960.02	3,115,081.78	3,297,046.83	3,475,756.51	3,649,546.70
Property Tax	1,333,650.00	1,373,659.50	1,414,869.29	1,457,315.36	1,501,034.82
SMUD, Hydro, Leases, Interest, etc	293,300.00	299,166.00	305,149.32	311,252.31	317,477.35
Hydro	-60,000.00	-61,200.00	-62,424.00	-63,672.48	-64,945.93
		0.00	0.00	0.00	0.00
		0.00	0.00	0.00	0.00
TOTAL REVENUE (Lines 29 through 37):	4,509,910.02	4,726,707.28	4,954,641.43	5,180,651.70	5,403,112.95
NET LOSS OR GAIN:	-363,107.91	-265,220.06	-84,202.44	13,912.31	172,395.99
NET CASH FLOW (Contribution to Reserves)	1,632,525.45	1,726,192.93	1,739,546.46	1,837,661.20	1,996,144.89

Base Rate Calculation for Treated Water (Tax split TW/IW 85/15, Option 1)

Meter Size	Theoretical Bi-Monthly Base Rate by Meter Size	Base Rate as % of Theoretical Rate	Existing Base Rate	Proposed Base Charge for Year 1	Year 2	Year 3	Year 4	Year 5
Future Increases 					5.0%	5.0%	5.0%	5.0%
5/8"	\$82.68	80%	\$47.14	\$ 66.15	\$69.45	\$72.92	\$76.57	\$80.40
3/4"	\$124.02	80%	\$47.14	\$ 99.22	\$104.18	\$109.39	\$114.86	\$120.60
1"	\$206.70	80%	\$47.14	\$ 165.36	\$173.63	\$182.31	\$191.43	\$201.00
1.5"	\$413.41	80%	\$47.14	\$ 330.73	\$347.26	\$364.62	\$382.85	\$401.99
2"	\$661.45	80%	\$47.14	\$ 529.16	\$555.62	\$583.40	\$612.57	\$643.20
3"	\$1,322.90	80%	\$47.14	\$ 1,058.32	\$1,111.24	\$1,166.80	\$1,225.14	\$1,286.40
4"	\$2,067.04	80%	\$50.32	\$ 1,653.63	\$1,736.31	\$1,823.13	\$1,914.29	\$2,010.00

Usage Rate Calculation

Tier	Bottom of Tier	Top of Tier	Usage Rate for Year 1	Year 2	Year 3	Year 4	Year 5	Current
Future Increases 				5.0%	5.0%	5.0%	5.0%	
1	-	20	\$2.2500	\$2.36	\$2.48	\$2.60	\$2.73	
2	21	999,999	\$2.2500	\$2.36	\$2.48	\$2.60	\$2.73	\$ 1.38
3	1,000,000	999,999	\$2.2500	\$2.36	\$2.48	\$2.60	\$2.73	\$ 1.65
4	1,000,000	999,999	\$2.2500	\$2.36	\$2.48	\$2.60	\$2.73	\$ 1.93
5	1,000,000	999,999	\$2.2500	\$2.36	\$2.48	\$2.60	\$2.73	\$ 2.21

	Year 1	Year 2	Year 3	Year 4	Year 5	
Estimated profit/loss with new rates	-363,108	-265,220	-84,202	13,912	172,396	
Balanced Budget?	No	No	No	Yes	Yes	
Estimate contribution to Reserves	1,632,525	1,726,193	1,739,546	1,837,661	1,996,145	
Affordability Index MHI	46,700.00	2.82%	2.98%	3.16%	3.33%	3.50%
Project funding \$30.16/2 months		0.39%	0.39%	0.39%	0.39%	0.39%
Afforability of total rate		3.20%	3.37%	3.55%	3.72%	3.88%