

City of Tempe, Arizona

2023 Water and Wastewater Financial Model Update

September 12, 2023



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Date: September 12, 2023

The City of Tempe, Arizona (City) contracted with Stantec Consulting Services Inc (Stantec) to conduct the 2022 Water and Wastewater Rate Study¹ (2022 Rate Study). The 2022 Rate Study established a plan of annual water and wastewater rate adjustments for the period March 1, 2023 through December 31, 2027. The plan was developed through multiple work sessions with City staff whereby the thencurrent revenue, expense budgets and capital improvement investments for both the Water and Wastewater Utilities (Utilities) were projected for 10 years defining the Utilities' revenue requirements. The plan of rate adjustments was then crafted to ensure that the Utilities' minimum operating requirements are met thought the time period such as policy reserve levels, debt coverage and sustainable annual cash flows. The plan of water and wastewater rate increases developed in the 2022 Rate Study are shown in Table 1 below. Notably, the first year of water and wastewater rate adjustments identified in the 2022 Rate Study were implemented March 1, 2023.

Table 1: 2022 Rate Study Recommended Water and Wastewater Rate Adjustments

Effective Date	March 2023 (Adopted)	January 2024	January 2025	January 2026	January 2027
Water Rate Increase	5.50%	5.50%	5.50%	5.50%	5.50%
Wastewater Rate Increase	2.50%	4.00%	6.00%	6.00%	4.00%

In 2023, The City requested that Stantec assist in updating the Utilities' financial model projections with actual revenue and expense results from Fiscal Year (FY) 2023, preliminary FY 2023 end of year reserves, FY 2024 adopted capital investment plan and current bond repayment schedules. Stantec assisted the City in updating the 2022 Rate Study financial models with the most up-to-date data projecting the Utilities' necessary rate adjustments for the next four fiscal years. The following sections of this memorandum describe the material differences between the 2022 Rate Study rate adjustment recommendations and the updated rate adjustment plans for the Utilities.

## **REVENUE SUFFICIENCY ANALYSIS UPDATE**

Stantec assisted City staff in updating the Water and Wastewater Utility financial models prepared in the 2022 Rate Study to reflect actual, unaudited, FY 2023 cash flows and the FY 2024 budget. The following tables show the variance between the 2022 Rate Study and the 2023 Financial Model Update for revenues, operating expenses, debt service, and capital for FY 2023 through FY 2027, based on the rate increases projected in the 2022 Rate Study. The dollar amounts in each table are rounded to one tenth of a million. In summary, water revenues are notably lower (largely attributable to recent weather conditions), operating expenses are higher (driven largely by elevated inflation levels), and capital expenditures have increased substantially (again in large part due to cost increases) as compared to the forecasts from the 2022 Rate Study.

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<sup>&</sup>lt;sup>1</sup> Final report dated October 13, 2022.

Table 2: Comparison of Operating Revenues (\$M)

	Fiscal Year 2023	Fiscal Year 2024	Fiscal Year 2025	Fiscal Year 2026	Fiscal Year 2027
	Wat	er			
2022 Rate Study	60.1	63.0	66.1	69.3	72.7
2023 Financial Model Update	55.2	57.4	62.0	64.8	67.8
Variance	(4.9)	(5.6)	(4.1)	(4.5)	(4.9)
	Wastev	vater			
2022 Rate Study	33.6	34.8	36.5	38.7	40.6
2023 Financial Model Update	34.0	35.6	38.1	40.4	42.2
Variance	0.4	0.8	1.6	1.7	1.6

Table 3: Comparison of Operating Expenses (\$M)

	Fiscal Year 2023	Fiscal Year 2024	Fiscal Year 2025	Fiscal Year 2026	Fiscal Year 2027
	Wate	er			
2022 Rate Study	34.4	35.5	36.7	37.6	39.0
2023 Financial Model Update	32.9	40.4	41.7	42.9	44.3
Variance	(1.5)	4.9	5.0	5.3	5.3
	Wastev	vater			
2022 Rate Study	15.3	16.0	17.0	21.1	21.5
2023 Financial Model Update	17.0	19.6	20.8	24.3	25.8
Variance	1.7	3.6	3.8	3.2	4.3

Table 4: Comparison of Capital Spending – Executed (\$M)

	Fiscal Year 2023	Fiscal Year 2024	Fiscal Year 2025	Fiscal Year 2026	Fiscal Year 2027
	Wat	er			
2022 Rate Study	45.2	37.1	37.3	43.7	43.1
2023 Financial Model Update	8.4	60.0	40.3	31.9	54.5
Variance	(36.8)	22.9	3.0	(11.8)	11.4
	Wastev	vater			
2022 Rate Study	25.1	36.6	61.0	25.6	22.7
2023 Financial Model Update	3.6	30.0	28.7	28.9	16.6
Variance	(21.5)	(6.6)	(32.3)	3.3	(6.1)

Table 5: Comparison of Annual Debt Service (\$M)

	Fiscal Year 2023	Fiscal Year 2024	Fiscal Year 2025	Fiscal Year 2026	Fiscal Year 2027
	Wate	er			
2022 Rate Study	28.6	30.8	32.8	34.2	35.3
2023 Financial Model Update	26.5	26.5	32.4	39.0	43.1
Variance	(2.1)	(4.3)	(0.4)	4.8	7.8
	Wastev	vater			
2022 Rate Study	18.8	20.6	23.0	23.2	23.2
2023 Financial Model Update	17.7	20.7	22.5	22.9	22.9
Variance	(1.1)	0.1	(0.5)	(0.3)	(0.3)

## **RESULTS**

Decreased water demand in FY 2023 resulted in the Utility collecting lower than projected revenues. The projected revenues for FY 2024 have also been revised lower than the 2022 Rate Study projections in consideration of recent demand trends to be more conservative. Combined with increased FY 2024 operating expense projections and increased capital costs in the near term, the 2023 Financial Model Update is now recommending a water rate increase of 14.75% for all customers in FY 2024, instead of the original 5.50% from the 2022 Rate Study. Moreover, future rate increases are anticipated to be higher than the 2022 Rate Study as well, in large part due to the magnitude of the increased capital expenditure requirements.

The wastewater utility's revenues have been negatively impacted by the reduced water demands, and operating expenses are forecast to be above the near-term projections of the 2022 Rate Study. As such 2023 Financial Model Update is recommending slightly higher rate increases of 6.25% for FY 2024 through FY 2027. The updated plan of water and wastewater rate adjustments is shown in Table 6.

Table 6: 2023 Financial Model Update Recommended Water and Wastewater Rate Increases

	March 2023 (Adopted)	January 2024	January 2025	January 2026	January 2027
Water Rate Increase	5.50%	14.75%	14.75%	12.00%	10.00%
Wastewater Rate Increase	2.50%	6.25%	6.25%	6.25%	6.25%

The resulting annual end-of-year reserves are contrasted in Table 7 for the 2022 Rate Study and the 2023 Financial Model Update, based on the updated assumptions discussed herein and the projected water and wastewater rate increases shown in Table 6.

Table 7: Comparison of Annual End of Year Reserves (\$M)

	Fiscal	Fiscal	Fiscal	Fiscal	Fiscal
	Year 2023	Year 2024	Year 2025	Year 2026	Year 2027
	Wa	ater			
2022 Rate Study	59.1	54.4	49.2	43.7	39.4
2023 Financial Model Update	64.5	52.4	46.0	39.3	32.4
Variance	5.4	(2.0)	(3.2)	(4.4)	(7.0)
	Wast	ewater			
2022 Rate Study	38.1	37.0	34.2	29.1	25.5
2023 Financial Model Update	40.8	40.8	36.7	31.1	26.4
Variance	2.7	3.8	2.5	2.0	0.9

The combined water and wastewater operating end of fiscal year fund balance from the 2022 Rate Study and 2023 Financial Model Update are shown in Figure 1. This figure demonstrates that, with the updated recommended plan of increases, the fund balance reaches approximately the same levels each year as the 2022 Rate Study. Tables 8 and 9 show the proposed water and wastewater rates for January 2024, utilizing the updated rate adjustment plan from the 2023 Financial Model Update, as presented in Table 6.

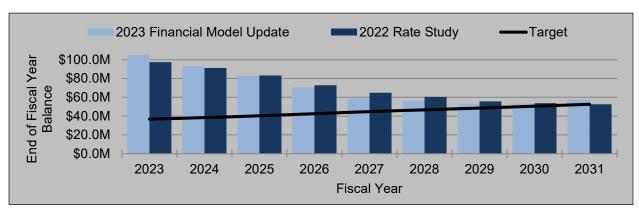


Figure 1: Comparison of Annual End of Year Reserves Versus Policy Target

**Table 8: Current and Recommended Inside City Water Rates** 

Monthly Service Charges	Current Rate as of March 2023	Recommended Rate January 2024
5/8"	\$10.25	\$11.75
3/4"	\$11.50	\$13.20
1"	\$16.80	\$19.30
1.5"	\$34.65	\$39.75
2"	\$65.45	\$75.10
3"	\$97.90	\$112.35
4"	\$228.10	\$261.75
6"	\$656.95	\$753.85
8"	\$1,018.85	\$1,169.15
10"	\$1,525.25	\$1,750.20
1.0" installed to accommodate sprinklers	\$10.25	\$11.75
Volume Charges Per 1,000 Gallons	Current Rate as of March 2023	Recommended Rate January 2024
Single-family		
0-8,000 gallons	\$2.53	\$2.90
8,001-16,000 gallons	\$3.93	\$4.51
16,001-36,000 gallons	\$5.00	\$5.74
36,001+ gallons	\$5.79	\$6.64
Multi-family	\$2.81	\$3.22
Commercial	\$3.16	\$3.63
Construction	\$4.66	\$5.35
Industrial	\$3.12	\$3.58
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Table 9: Current and Recommended Inside City Wastewater Rates

Monthly Service Charges	Current Rate as of March 2023	Recommended Rate January 2024
5/8"	\$9.30	\$9.90
3/4"	\$10.70	\$11.40
1"	\$16.65	\$17.70
1.5"	\$36.70	\$39.00
2"	\$71.30	\$75.75
3"	\$107.80	\$114.55
4"	\$254.05	\$269.95
6"	\$736.00	\$782.00
8"	\$1,142.65	\$1,214.10
10"	\$1,711.75	\$1,818.75
Volume Charges per 1,000 Gallons	Current Rate as of March 2023	Recommended Rate January 2024
Single-family	\$2.12	\$2.25
Multi-family	\$2.39	\$2.54
Commercial - Dry Cleaners	\$4.44	\$4.72
Commercial - Food Sales	04.44	
	\$4.44	\$4.72
Commercial - Hospitals	\$3.03	\$4.72 \$3.22
	·	
Commercial - Hospitals	\$3.03	\$3.22
Commercial - Hospitals  Commercial - Other	\$3.03 \$3.03	\$3.22 \$3.22
Commercial - Hospitals  Commercial - Other  Commercial - Restaurants/Bakeries	\$3.03 \$3.03 \$4.44	\$3.22 \$3.22 \$4.72
Commercial - Hospitals  Commercial - Other  Commercial - Restaurants/Bakeries  Commercial - Self-Service Laundry	\$3.03 \$3.03 \$4.44 \$3.03	\$3.22 \$3.22 \$4.72 \$3.22

The stormwater/environmental fee recommended in the 2022 Rate study was adopted in March of 2023, and will remain at \$3.00 for the time being. Stantec and The Utility will evaluate the costs associated with the stormwater/environmental fee during the 2024 Rate Study, and update the fee as needed.

Finally, Appendix A (water system) and B (wastewater system) of this memorandum include cash flow projections that indicate all anticipated revenues from residential and nonresidential customers and the overall expenses for providing water and wastewater service, respectively.

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Calculated  Total Subc Net Income Existing Lo New Loan I. Total Annu Calculated  Total All-In Net Income Total Bond Total Loan I. Total Cher Total Inco Calculated Additional F Total Inco Calculated Net Income Less: Non-I Net Inco	nal Fee Revenue ncome for Debt Service Including Fees		\$ 468,500 \$ 23,860,571	\$	469,999 22,685,259	\$ 471,5 \$ 29,767,7			\$ 474,526 \$ 43,523,662		476,044 49,139,157	\$ 477, \$ 53,003,			
Net Income Existing Lox New Loan IT Total Annu Carlouted Total Annu Calculated Total Lost Income Income Income Income Income Income Income Calculated Additional IT Total Income Less: Non-Ress: Non-Ress: Non-Reproject Project Project	ated Senior Debt Service Richard Fees	1.50	2.30	•	2.07		.71	1.45	1.38	٠,	1.36		1.33	1.30	1.29
Net Income Existing Lox New Loan IT Total Annu Carlouted Total Annu Calculated Total Lost Income Income Income Income Income Income Income Calculated Additional IT Total Income Less: Non-Ress: Non-Ress: Non-Reproject Project Project	Subordinate Debt Service Coverage Test														
Existing Los New Loan I Total Annu Calculated  Total All-In Net Income Total Bond Total Loan I Total Office Total Annu Calculated Additional F Total Income Less: Non-R Net Income Less: Non-R Project Project	ome Available for Debt Service		\$ 23.392.071	s	22,215,260	\$ 29,296,2	23 5	36,553,637	\$ 43,049,136	\$ 4	18,663,113	\$ 52,525,	628 \$	55,243,179	\$ 58,082,844
Total Annu Calculated  Total All-In Net Income Total Bond Total Loan Total Annu Calculated Additional F Total Incor Calculated Cash Flow Net Income Less: Non-Net Inches Project Project	Loan Debt Service		\$ 16,121,615			\$ 15,062,8			\$ 11,506,568			\$ 8,819,			
Calculated  Total All-In Net Income Total Bond Total Loan Total Cher Total Annu Calculated Additional F Total Innu Calculated Cash Flow Net Income Net Income Net Income Project Project Project	nan Debt Service (Model Calculated)		\$ -	\$		\$	- \$		\$ -			\$	- \$	- :	
Total All-In Net Income Total Bond Total Loan Total Calculated Additional F Total Inco Calculated Cash Flow Net Income Less: Non-1 Net Inte Debt S Non-Re Project	nnual Debt Service		\$ 16,121,615	\$		\$ 15,062,8			\$ 11,506,568	\$		\$ 8,819,			
Net Income Total Bond Total Loan Total Conn Total Conn Total Conn Total Conn Total Conn Total Inco Calculated Cash Flow Net Income Less: Non-I Net Inh Debt S Non-Re Project Project	ated Subordinate Debt Service Coverage	1.50	1.45		1.43	1	.94	2.70	3.74		5.50		5.96	8.12	11.37
Total Bond Total Loan I Total Other Total Annu Calculated Additional F Total Incor Calculated Cash Flow Net Income Less: Non-A Net Int Debt S Non-Re Project Project	III-In Debt Service Coverage Test														
Total Loan Total Other Total Annu Calculated Additional F Total Incor Calculated Cash Flow Net Income Less: Non-1 Net Int Debt S Non-Re Project Project	ome Available for Debt Service							36,553,637							
Total Other Total Annu Calculated Additional F Total Incor Calculated Cash Flow Net Income Less: Non-1 Net Into Debt S Non-Re Project Project	ond Debt Service		\$ 10,360,186 \$ 16 121 615			\$ 17,376,4 \$ 15,062,8			\$ 31,579,804 \$ 11,506,568			\$ 39,751, \$ 8,819,			\$ 45,349,551
Total Annu Calculated Additional F Total Incor Calculated Cash Flow Net Income Less: Non-4 Net Into Debt S Non-Re Project	ther Debt Service		\$ 10,121,015	\$		\$ 15,062,8 \$	112 \$		\$ 11,000,000	S		\$ 8,819, \$	,075 \$ - \$	6,801,350	
Calculated Additional F Total Incor Calculated  Cash Flow Net Income Less: Non-4 Net Int Debt S, Non-Re Project Project	Innual Debt Service	Targ.	\$ 26,481,802			\$ 32,439,2			\$ 43,086,372		15,108,453				
Total Incor Calculated Cash Flow Net Income Less: Non-I Net Into Debt S Non-Re Project Project	ated All-In Debt Service Coverage	1.50	0.88		0.84	0	.90	0.94	1.00		1.08		1.08	1.11	1.15
Calculated  Cash Flow Net Income Less: Non-I Net Into Debt S Non-Re Project Project	nal Fee Revenue				469,999		03 \$				476,044		567 \$		
Cash Flow Net Income Less: Non-t Net Into Debt So Non-Re Project Project	ncome for Debt Service Including Fees		\$ 23,860,571	\$		\$ 29,767,7			\$ 43,523,662	\$ 4		\$ 53,003,			
Net Income Less: Non-I Net Intr Debt S Non-Re Project Project	ated All-In Debt Service Coverage with Fees	1.50	0.90		0.86	0	.92	0.95	1.01		1.09	•	1.09	1.12	1.16
Less: Non-l Net Into Debt So Non-Ro Project Project															
Net Inte Debt S Non-Re Project Project	ome Available For Debt Service		\$ 23,392,071	\$	22,215,260	\$ 29,296,2	23 \$	36,553,637	\$ 43,049,136	\$ 4	18,663,113	\$ 52,525,	628 \$	55,243,179	\$ 58,082,844
Debt S Non-Re Project Project	Ion-Operating Expenditures				100 105			400.40-			100 100		400 -	400 40-	
Non-Re Project Project	t Interfund Transfers (In - Out) bt Service Payment (Net of Development Fee Contributions)		\$ 182,406 \$ (26,481,802)		182,406 (26,506,648)	\$ 182,4 \$ (32,439,2		182,406 (39,016,580)	\$ 182,406 \$ (43,086,372		182,406 45,108,453)	\$ 182, \$ (48,570,	406 \$	(49,609,489)	
Project Project	n-Revenue Fund System Development Fees		\$ (20,461,602)	\$		\$ (32,439,2 \$	(اد: ع -		\$ (43,000,372	)		\$ (46,570,	د (اکار - \$	(49,009,469)	
Project	ects Designated To Be Paid With Cash		\$ -	\$		\$ (1,831,7			\$ (5,385,136			\$ (3,300,			
	ojects Paid With Reserve Funds		\$ -	\$		\$ (1,001,1	- \$		\$ (0,000,100	\$		\$	- \$		
	pital Outlay		\$ (348,600)	\$	(1,570,759)	\$ (1,610,0	26) \$	(1,650,276)	\$ (1,691,533	) \$	(1,733,821)	\$ (1,777,			
Plus: Rever	evenues Excluded From Debt Service		\$ (3,255,924)	\$		\$ \$ (6,402,3	- \$		\$ - \$ (6,931,499	\$ ) <b>\$</b>		\$ \$ (939.	- \$ ,253) \$	694,499	
	SILLLIAM		φ (3,200,924)	Þ	(12,109,741)	φ (0,402,	119) \$	(0,042,993)	φ (0,931,499)	, >	(103,234)	φ ( <del>9</del> 39,	,200) \$	034,439	φ ∠,041,∠93
	ricted Reserve Fund Test		\$ 67 744 516	\$	64.488.575	\$ 52,378,8	20 \$	45,976,429	\$ 39,333,426	\$ 3	32,401,918	\$ 32,248,		31,309,414	
Net Cash F	e At Beginning Of Fiscal Year														\$ 2,641,293
	e At Beginning Of Fiscal Year sh Flow		\$ (3,255,924)	\$	(12,109,741)	\$ (6,402,3					(153,234)				
Excess/(De	e At Beginning Of Fiscal Year		\$ (3,255,924)	\$ <b>\$</b>	(12,109,741) <b>52,378,835</b>	\$ (6,402,3	42 \$	39,333,436		\$ 3	32,248,683	\$ 31,309,	422 \$	32,003,914	

		FY2023	FY2024	FY2025	FY2026	FY2027	FY2028	FY2029	FY2030	FY2031
	Operating Revenue									
1	Residential and Non-Residential Rate Revenue	\$ 32,722,884				\$ 41,201,550			\$ 49,419,731	\$ 52,508,464
2	Change in Revenue From Growth Subtotal	\$ -	\$ 34,350,000		\$ 38,777,930			\$ 46,512,688	\$ 49,419,731	\$ - \$ 52 508 464
4	Weighted Average Rate Increase	0.00%	3.11%	3.10%	3.10%	3.10%	3.11%	3.10%	3.10%	3.09%
5	Additional Rate Revenue From Rate Increase		\$ 1,067,641					\$ 1,441,603		
6 7	Total Rate Revenue Plus: Other Operating Revenue	\$ 32,722,884 \$ 1,240,167	\$ 35,417,641 \$ <b>807,026</b>	\$ 37,628,050 \$ 809,016		\$ 42,478,541 \$ 813,697			,	\$ 54,131,303 \$ <b>821,771</b>
8	Equals: Total Operating Revenue			\$ 38,437,066						\$ 54,953,074
										, ,,,,,,,
9	Less: Operating Expenses									
10 11	Operating Expenses <sup>1</sup> Equals: Net Operating Income					\$ (20,543,817) \$ 22,748,421				
	Equals: Not operating mooning	¥ 17,110,104	¥ 11,000,102	¥ 10,002,001	20,000,040	¥ 22,140,421	¥ 24,102,441	¥ 20,007,020	<b>V</b> 20,204,402	V 01,112,100
12	Plus: Non-Operating Income/(Expense)									
13 14	Non-Operating Revenue Interest Income		\$ - \$ 699,514	\$ - \$ 675,148	\$ - \$ 622,712	\$ - \$ 566,716				\$ - \$ 502,099
15	System Development Fees			\$ 372,379		\$ 375,364				\$ 381,405
16	Transfers In			\$ 482,568		\$ 482,568				\$ 482,568
17	Equals: Net Income	\$ 18,670,949	\$ 22,063,409	\$ 20,582,396	\$ 22,317,992	\$ 24,173,069	\$ 26,178,028	\$ 28,330,590	\$ 30,649,905	\$ 33,138,826
18	Less: Revenues Excluded From Coverage Test									
19	Excluded Debt Service Revenue	\$ (369,417)								
20 21	Transfers In  Equals: Net Income Available For Debt Service	\$ (482,568) \$ 17,818,964	\$ (3,607,568) \$ 18,084,946		\$ (482,568) \$ 21,461,555	\$ (482,568) \$ 23,315,137				\$ (482,568) \$ 32,274,853
21	Equals. Net IIICOINE AVAIIABLE FOR DEBT SERVICE	φ 17,010,964	a 10,004,946	ə 19,727,449	φ 21,461,555	φ 23,315,13 <i>f</i>	<b>₽ ∠5,316,595</b>	φ 21,409,05U	φ 29,101,452	a 32,214,003
22	Total Senior Debt Service Coverage Test									
23	Net Income Available for Debt Service	\$ 17,818,964								\$ 32,274,853
24 25	Existing Bond Debt Service New Bond Debt Service (Model Calculated)									\$ 3,037,869 \$ 21.023.759
26	Existing Other Debt Service	\$ 1,303,424	\$ 4,004,324		\$ 11,025,039					\$ 21,023,739
27	New Other Debt Service (Model Calculated)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -			\$ -
28	Total Annual Debt Service Targ.		\$ 8,055,339							\$ 24,061,628
29 30	Calculated Senior Debt Service Coverage 1.50 Additional Fee Revenue	3.70 \$ 369,417	2.25 \$ 370.895	1.75 \$ 372,379	1.48 \$ 373.869	1.42 \$ 375,364	1.37 \$ 376.865	1.34 \$ 378.372	1.32 \$ 379.885	1.34 \$ 381.405
31	Total Income for Debt Service Including Fees Targ.	\$ 18.188.381								\$ 32.656.258
32	Calculated Senior Debt Service Coverage including Fees 1.50	3.78	2.29	1.78	1.50	1.44	1.39	1.36	1.34	1.36
33 34	Total Subordinate Debt Service Coverage Test Net Income Available for Debt Service	\$ 17 818 964	\$ 18 084 946	\$ 19 727 449	\$ 21 461 555	\$ 23.315.137	\$ 25 318 595	\$ 27,469,650	\$ 29.787.452	\$ 32 274 853
35	Existing Loan Debt Service			\$ 11,245,881						
36	New Loan Debt Service (Model Calculated)	\$ -	\$ -		\$ -					\$ -
37 38	Total Annual Debt Service Targ. Calculated Subordinate Debt Service Coverage 1.50	\$ 12,894,084 1.38	\$ 12,596,864 1.44	\$ 11,245,881 1.75	\$ 8,323,473 2.58	\$ 6,504,811 : 3.58	\$ 4,142,337 6.11	\$ 4,117,853 6.67	\$ 2,335,276 12.76	\$ 1,702,173 18.96
30	Calculated Substitutinate Debt Service Coverage	1.50	1.44	1.75	2.30	3.30	0.11	0.07	12.70	10.30
39	Total All-In Debt Service Coverage Test									
40	Net Income Available for Debt Service			\$ 19,727,449						\$ 32,274,853
41 42	Total Bond Debt Service Total Loan Debt Service	\$ 4,817,135 \$ 12,894,084	\$ 8,055,339 \$ 12,596,864	\$ 11,272,770 \$ 11,245,881	\$ 14,529,699 \$ 8,323,473	\$ 16,401,338 \$ 6,504,811				\$ 24,061,628 \$ 1,702,173
43	Total Other Debt Service	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
44	Total Annual Debt Service Targ.	\$ 17,711,220	\$ 20,652,203		\$ 22,853,173					\$ 25,763,801
45 46	Calculated All-In Debt Service Coverage 1.50 Additional Fee Revenue	1.01 \$ 369.417	0.88 \$ 370,895	0.88 \$ 372,379	0.94 \$ 373,869	1.02 \$ 375,364	1.12 \$ 376.865	1.12 \$ 378,372	1.20 \$ 379,885	1.25 \$ 381.405
47	Total Income for Debt Service Including Fees Targ.	\$ 18,188,381	\$ 18,455,841		\$ 21,835,424					\$ 32,656,258
48	Calculated All-In Debt Service Coverage with Fees 1.50	1.03	0.89	0.89	0.96	1.03	1.13	1.13	1.22	1.27
49	Cash Flow Test									
49 50	Net Income Available For Debt Service	\$ 17,818,964	\$ 18 084 946	\$ 19 727 449	\$ 21 461 555	\$ 23,315,137	\$ 25.318.595	\$ 27 469 650	\$ 29 787 452	\$ 32 274 853
51	Less: Non-Operating Expenditures									
52	Net Interfund Transfers (In - Out)		\$ 3,566,318		\$ (3,127,851)			\$ (3,980,503)		
53 54	Debt Service Payment (Net of Development Fee Contributions) Non-Revenue Fund System Development Fees	\$ (17,711,220) \$ -	\$ (20,652,203) \$ -		\$ (22,853,173) \$ -					\$ (25,763,801) \$ -
55	Projects Designated To Be Paid With Cash	\$ -	\$ (300,000)		\$ (318,270)					\$ (368,962)
56	Projects Paid With Reserve Funds	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
57 58	Capital Outlay	\$ (131,400)								\$ (874,465) \$ -
58 59	Plus: Revenues Excluded From Debt Service  Net Cash Flow	\$ - \$ 458,912	\$ (46,721)		\$ - \$ (5,618,220)			\$ - \$ (2,287,601)	\$ (232,551)	
33			+ (-0,121)	+ (-,0-1,100)	(0,0.0,220)	+ (-,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	- (2,707,212)	- (2,207,001)	. (202,001)	,201,122
60	Unrestricted Reserve Fund Test									
61 62	Balance At Beginning Of Fiscal Year Net Cash Flow	\$ 40,365,540 \$ 458,912				\$ 31,112,338 \$ (4,714,908)			\$ 21,622,576 \$ (232,551)	
63	Balance At End Of Fiscal Year					\$ (4,714,908)	\$ (2,487,212) \$ 23,910,203	\$ (2,287,601) \$ 21,622,588	\$ (232,551) \$ 21,390,025	
64	Minimum Working Capital Reserve Target	\$ 15,172,448	\$ 15,620,942	\$ 16,312,325	\$ 17,422,700	\$ 18,206,900	\$ 18,811,041	\$ 19,371,774	\$ 19,952,700	\$ 20,554,700
65	Excess/(Deficiency) Of Working Capital To Target	\$ 25,652,004	\$ 25,156,771	\$ 20,418,265	\$ 13,689,653	\$ 8,190,529	5,099,162	\$ 2,250,814	\$ 1,437,325	\$ 2,122,435

<sup>&</sup>lt;sup>1</sup> Table 3 of this report includes Operating Expenses, Capital Outlay, and Transfers Out to reflect annual expenses to the operating budget