



TOWN OF HIGHLAND BEACH AGENDA MEMORANDUM

MEETING TYPE: Town Commission Meeting

MEETING DATE *November 1, 2022*

SUBMITTED BY: Natasha Moore, Vice Mayor - Commissioner

SUBJECT: Water and Sewer 10/1/2023 Billing Rate Review

SUMMARY:

The purpose of this item is to continue the analysis for the next change in water and sewer billing rates to be effective 10/1/2023.

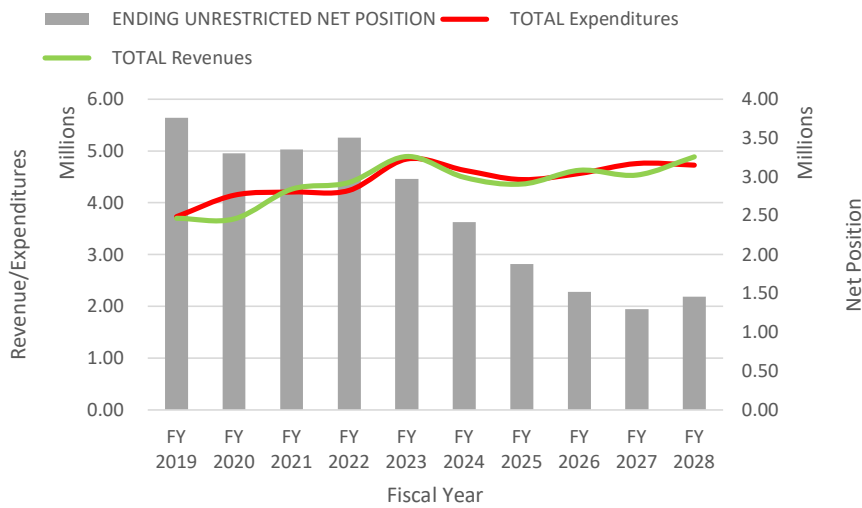
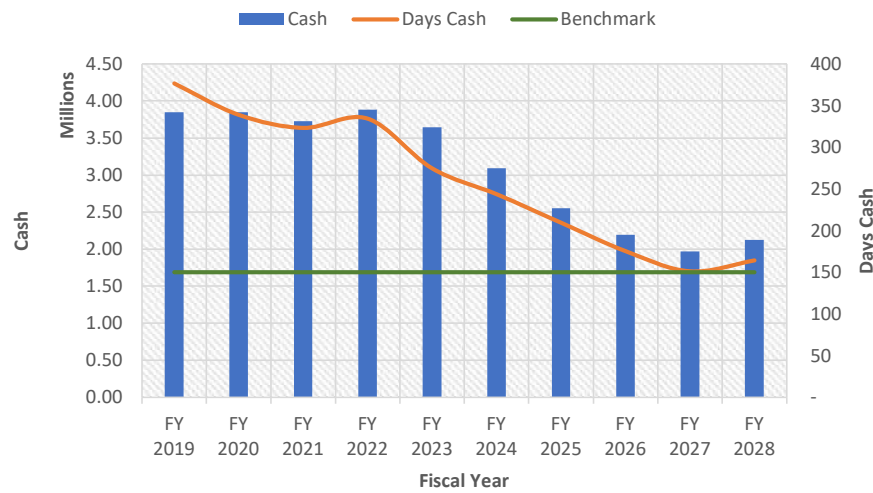
RECOMMENDATION:

Review the results of the budget forecasts for the Water Fund and the Sewer Fund. Commission to discuss the 10/1/2023 rate change.

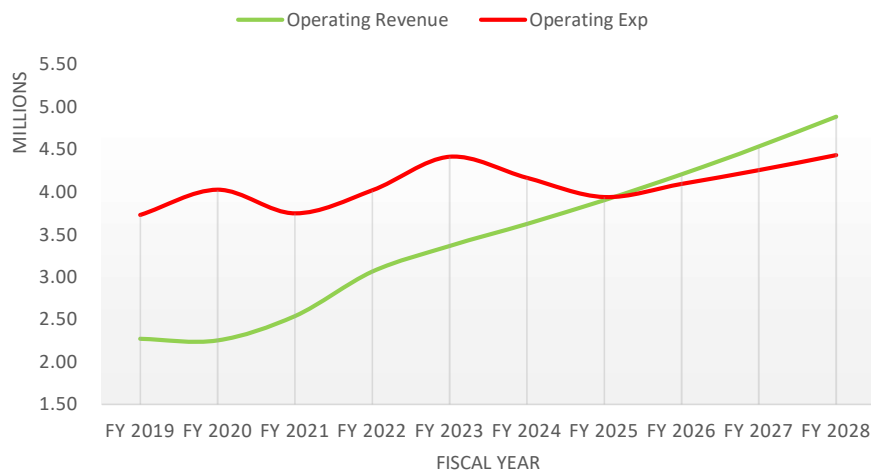
Highland Beach Water and Sewer Revenue Rate Changes

	Date	Water	Sewer
Actual	10/1/2019	2.5%	2.5%
Actual	10/1/2020	3.0%	3.0%
Actual	4/1/2021	10.5%	16.5%
Actual	10/1/2022	10.0%	12.0%
Proposed	10/1/2023	8.0%	8.0%
Alternative	10/1/2023	10.0%	10.0%
Raftelis	10/1/2023	5.0%	5.0%

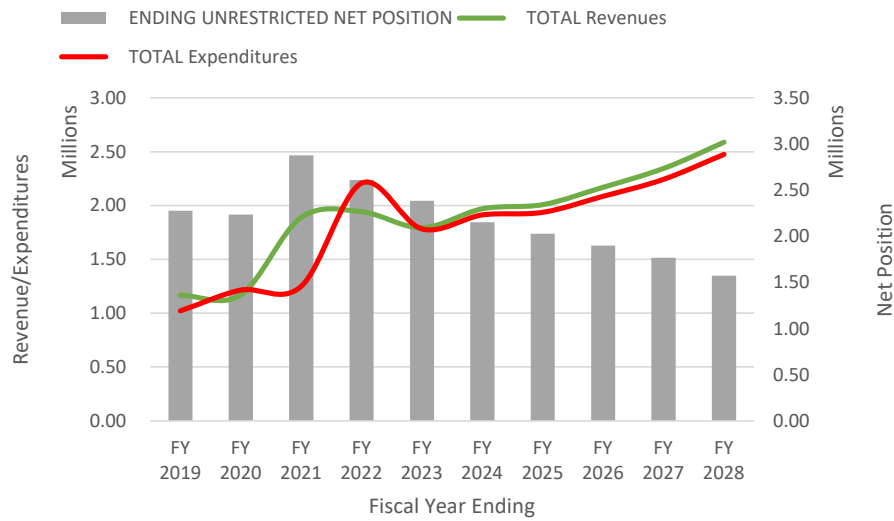
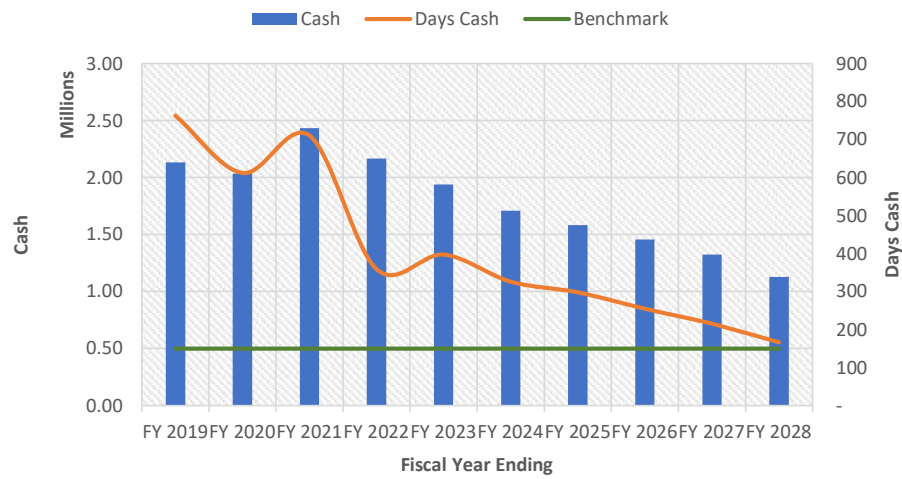
Water Fund Five Year Budget Forecast with 8% Rate Change



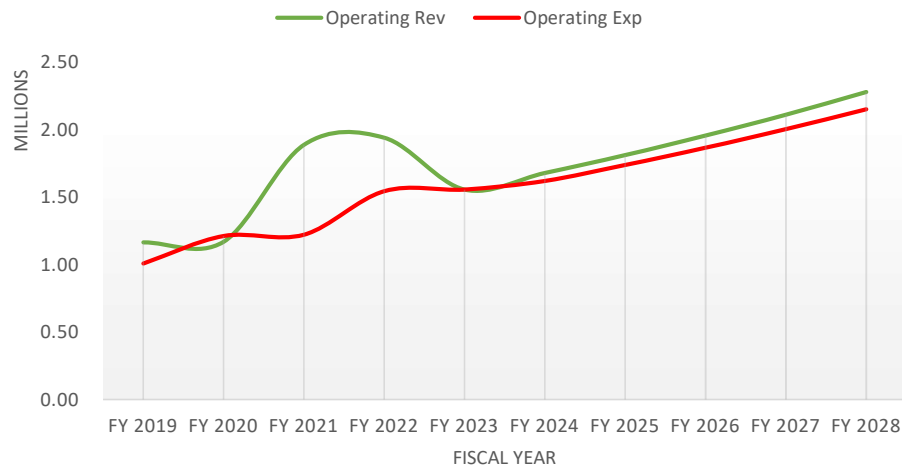
Operating Revenue and Expenses excluding Capital and Ad Valorem Tax Revenue



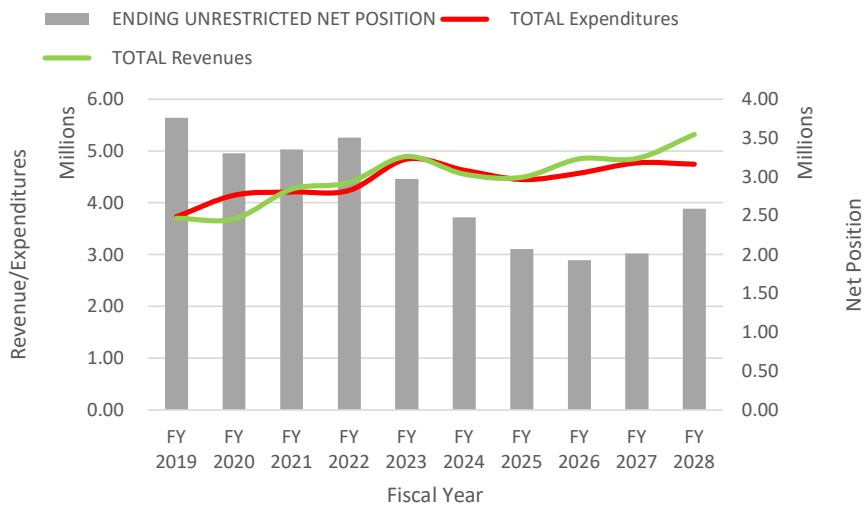
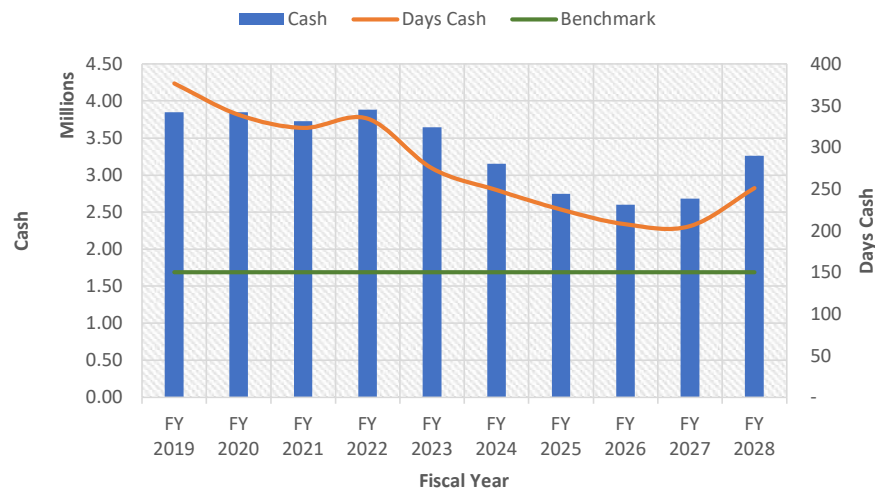
Sewer Fund Five Year Budget Forecast with 8% Rate Change



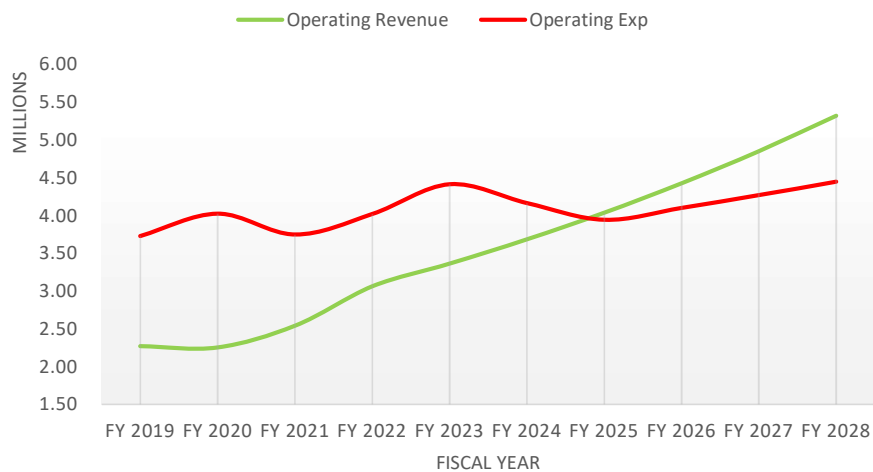
Operating Revenue & Expenses (Excluding Capital)



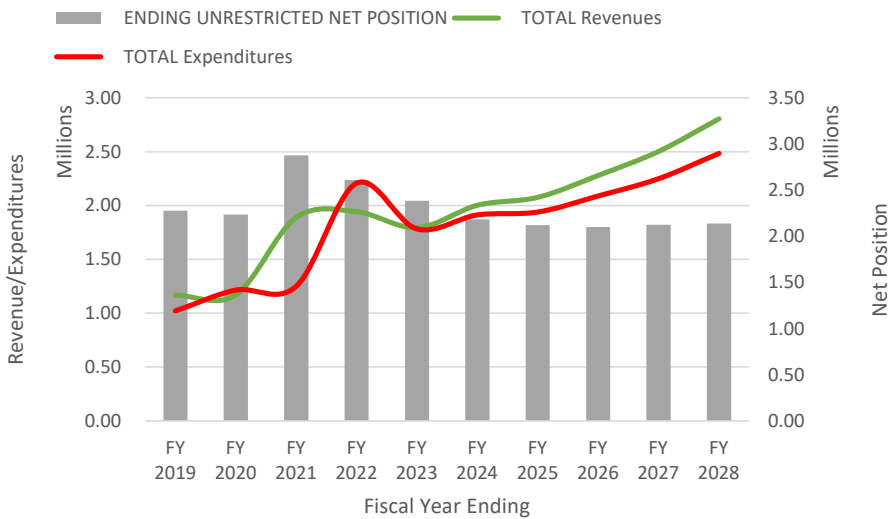
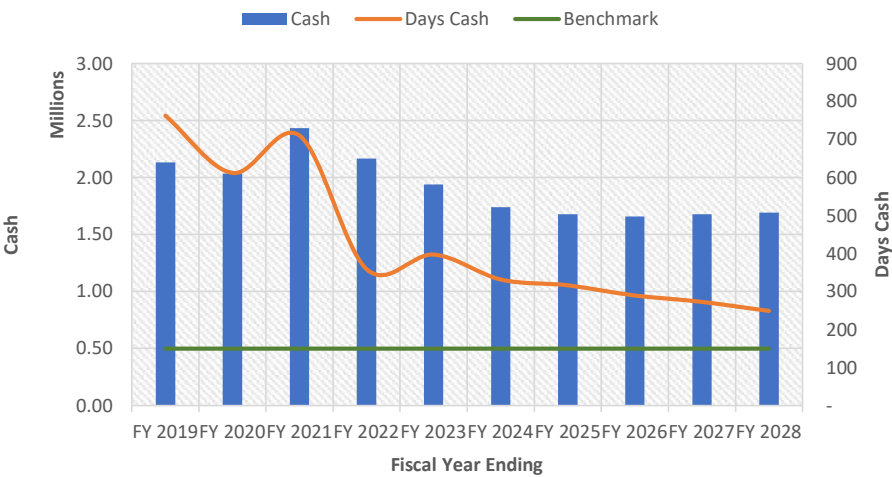
Water Fund Five Year Budget Forecast with 10% Rate Change



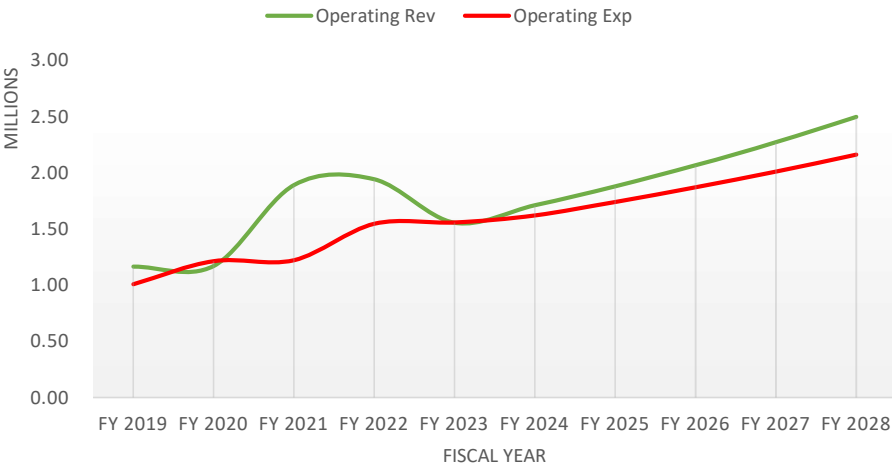
Operating Revenue and Expenses excluding Capital and Ad Valorem Tax Revenue



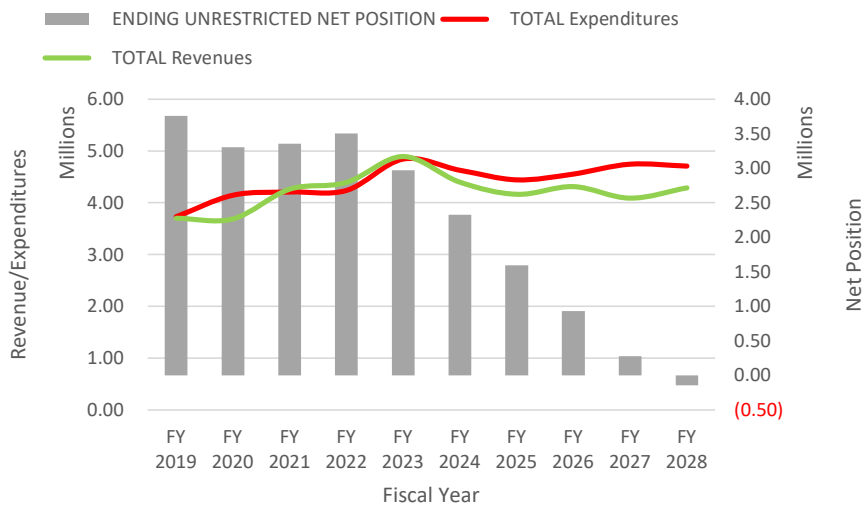
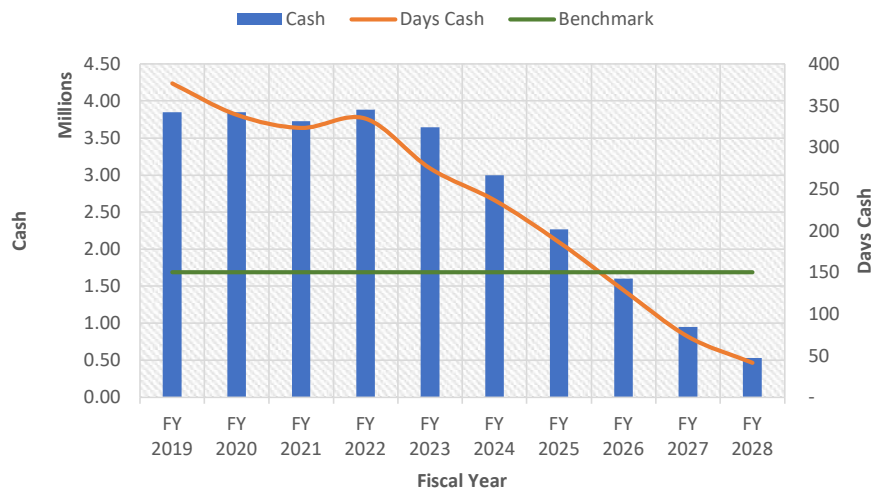
Sewer Fund Five Year Budget Forecast with 10% Rate Change



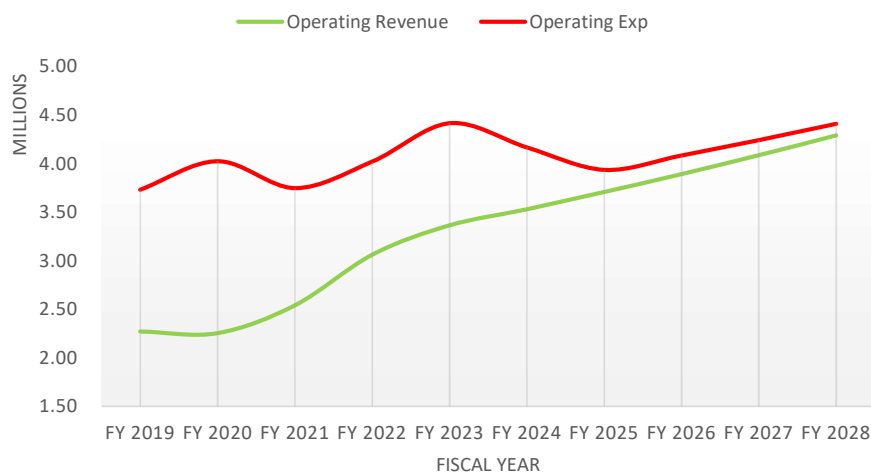
Operating Revenue & Expenses (Excluding Capital)



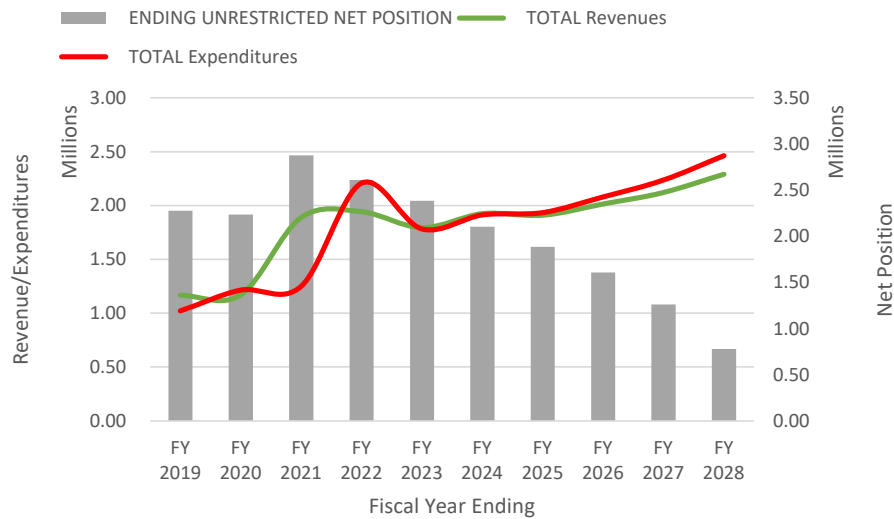
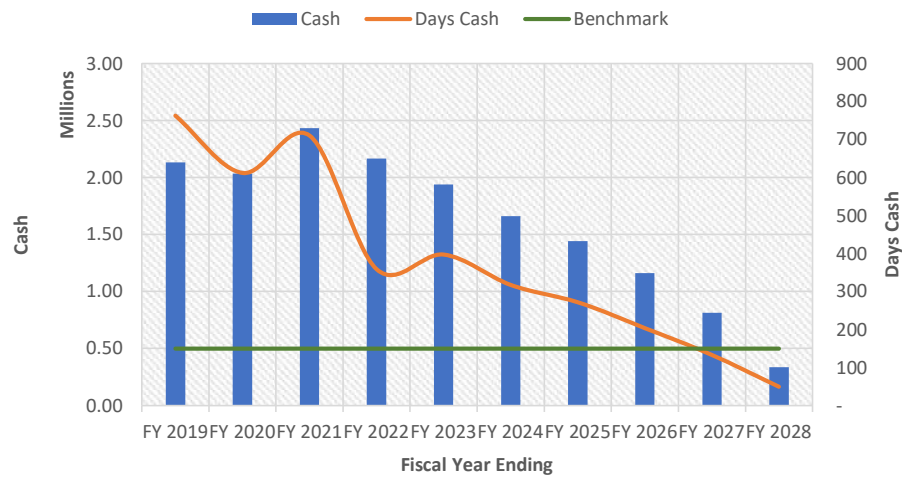
Water Fund Five Year Budget Forecast with 5% Rate Change



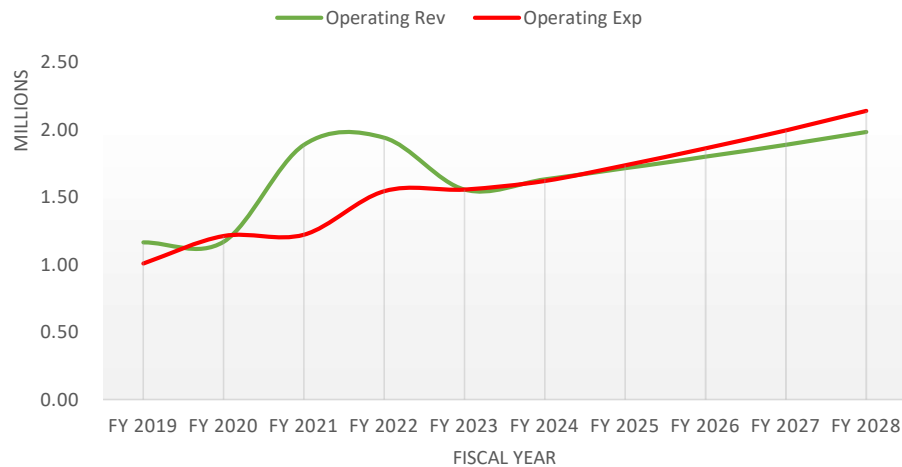
Operating Revenue and Expenses excluding Capital and Ad Valorem Tax Revenue



Sewer Fund Five Year Budget Forecast with 5% Rate Change



Operating Revenue & Expenses (Excluding Capital)



Water Fund Five Year Budget Forecast with 8% Rate Change

DESCRIPTION	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Forecasted Percentage Change			
Revenues	Actual	Actual	Actual	Estimate	Budget / Forecast	Forecast	Forecast	Forecast	Forecast	Forecast	Basis			
ARPA FEDERAL GRANT FUNDS		287,240	287,241	287,241	0			0	0	0				
WATER UTILITY REVENUE	2,014,193	2,036,762	2,336,579	2,321,941	2,554,135	2,758,466	2,979,143	3,217,475	3,474,873	3,752,862	Pct	8%	8%	8%
FIRE HYDRANT- MAINTENANCE	30,720	25,920	30,720	30,720	31,000	32,550	34,178	35,886	37,681	39,565	Pct	5%	5%	5%
IRRIGATION UTILITY REVENUE				481,718	529,890	572,281	618,063	667,509	720,909	778,582	Pct	8%	8%	8%
INTEREST ON INVESTMENTS	84,797	30,286	2,114	8,000	29,000	29,870	30,766	31,689	32,640	33,619	+3%/Yr	3%	3%	3%
DISPOSITION OF FIXED ASSETS			16,251	0										
ADMINISTRATIVE REIMBURSE	140,000	147,000	154,350	220,000	220,000	231,000	242,550	254,678	267,411	280,782	Fixed from SF	5%	5%	5%
INSURANCE REIMBURSEMENT	2,965	24,471		0										
OTHER MISCELLANEOUS REVENUE	289				0	0	0	0	0	0				
TRANSFER FROM GENERAL FUND	1,429,500	1,430,004	1,430,003	1,039,445	945,519	451,753	0	0	0	0	Plan	Ad Valorem Tax Revenue		
APPROPRIATION FROM RESERVE - PRIOR CONNEC FEES					296,880									
APPROPRIATION FROM RESERVE					285,766									
APPROPRIATION FROM R & R						412,500	453,750	420,778	0	0	Match to Capital Plan			
TOTAL Revenues	3,702,464	3,685,584	4,259,549	4,389,065	4,892,190	4,488,420	4,358,450	4,628,014	4,533,514	4,885,410				
YoY % Chng		-0.5%	15.6%	3.0%	11.5%	-8.3%	-2.9%	6.2%	-2.0%	7.8%				
Expenditures														
REGULAR SALARIES & WAGE	575,386	595,038	602,700	621,000	692,860	727,503	763,878	802,072	842,176	884,284	+5%/Yr	5%	5%	5%
BONUS					18,200	0	0	0	0	0				
OVERTIME	39,812	35,611	38,355	45,000	42,259	41,820	42,656	43,510	44,380	45,267	Avg \$41K + %	2%	2%	2%
SHIFT DIFFERENTIAL PAY	6,039	7,542	10,574	14,000	8,986	9,180	9,364	9,551	9,742	9,937	Avg \$9K + %	2%	2%	2%
EDUCATION INCENTIVE PAY			8,000	6,000	6,000	6,000	6,000	6,000	6,000	6,000	Fixed	6,000	6,000	6,000
FICA TAXES	50,125	39,022	47,798	54,880	57,383	62,760	65,752	68,891	72,184	75,639	Ratio to Salaries	8%	8%	8%
BONUS FICA TAXES					1,400	0	0	0	0	0				
RETIREMENT CONTRIBUTION	137,404	209,300	86,383	95,000	113,255	116,653	120,152	123,757	127,470	131,294	+3%/Yr	3%	3%	3%
BONUS RETIREMENT CONTRIBUTION					2,800	0	0	0	0	0				
OPEB EXPENSE	(3,225)	7,339	(516)	0	0	0	0	0	0	0				
HEALTH INSURANCE/ALLOWANCE	162,333	156,497	149,229	147,000	170,682	187,750	206,525	227,178	249,896	274,885	+10%/Yr	10%	10%	10%
WORKERS' COMPENSATION	35,000	28,435	33,920	6,000	16,933	18,626	20,489	22,538	24,792	27,271	+10%/Yr	10%	10%	10%
COMPENSATED ABSENCES	7,430	8,028	7,430	15,000	0	0	0	0	0	0				
PROFESSIONAL FEES	21,705	3,406	70,061	50,000	50,000	52,500	55,125	57,881	60,775	63,814	+10%/Yr	5%	5%	5%
OTHER CONTRACTUAL SERV	10,390	124,375	69,224	24,000	41,000	45,100	45,100	45,100	45,100	45,100	+10%/Yr	10%	10%	10%
TRAVEL AND PER DIEM	1,571	1,377	1,600	1,600	3,745	3,932	4,129	4,335	4,552	4,780	+5%/Yr	5%	5%	5%
TRAINING & DEVELOPMENT	2,955	2,349	335	2,400	2,700	2,835	2,977	3,126	3,282	3,446	+5%/Yr	5%	5%	5%
COMMUNICATIONS	1,714	3,062	3,344	3,500	0	0	0	0	0	0				
POSTAGE & FREIGHT	88	53	336	105	300	315	331	347	365	383	+5%/Yr	5%	5%	5%
UTILITY SERVICES	222,292	204,732	227,876	285,000	315,988	338,107	361,775	387,099	414,196	443,190	+7%/Yr	7%	7%	7%
INSURANCE & BONDS	106,419	137,979	100,262	150,000	130,997	174,357	158,506	170,506	191,793	210,972	+10%/Yr	10%	10%	10%
REPAIRS & MAINTENANCE- CAPITAL	207,148	59,373	103,103	65,000	125,000	131,250	137,813	144,703	151,938	159,535	+10%/Yr	5%	5%	5%
REPAIRS & MAINTENANCE- NON-CAPITAL	1,831	4,115	730	2,000	2,500	2,875	3,306	3,802	4,373	5,028	+15%/Yr	15%	15%	15%
RENEWALS & REPLACEMENT	110,437	188,172	17,570	90,000	140,000	155,751	168,165	181,569	196,043	211,673	5% PY Rev	5%	5%	5%
OTH CURR CHG-LICENSE & PERMITS	4,275	4,275	4,975	5,000	5,450	5,723	6,009	6,309	6,625	6,956	+5%/Yr	5%	5%	5%
ADMINISTRATIVE CHARGES	298,550	327,870	325,433	550,000	550,000	550,000	550,000	550,000	550,000	550,000	Fixed	0%	0%	0%
OPERATING SUPPLIES	124,679	207,557	197,282	210,000	325,000	341,250	358,313	376,228	395,040	414,792	+5%/Yr	5%	5%	5%
UNIFORMS	5,277	4,549	9,313	6,000	6,000	6,300	6,615	6,946	7,293	7,658	+5%/Yr	5%	5%	5%
OPERATING SUPPLIES- SAFETY	1,213	873	1,846	1,700	3,500	3,675	3,859	4,052	4,254	4,467	+5%/Yr	5%	5%	5%
OPERATING SUPPLIES-GASOLINE	28,640	5,627	3,620	3,000	4,321	4,753	5,288	5,751	6,326	6,959	+10%/Yr	10%	10%	10%
BOOKS, DUES, EDUCATION SUPPLIES	1,024	2,603	1,888	2,000	3,000	3,150	3,308	3,473	3,647	3,829	+5%/Yr	5%	5%	5%
BUILDINGS	0	118,203	88,692	10,000	50,000	50,000	50,000	50,000	50,000	50,000	Fixed	0%	0%	0%
IMPROVEMENTS OTHER THAN BUILDINGS	0	1,969	333,568	190,000	0	412,500	453,750	420,778	450,232	244,580	Cap Plan or % PYF	5%	5%	5%
MACHINERY AND EQUIPMENT		400	37,420	16,000	378,689						Cap Plan			
PRINCIPAL-DWSRFS502901 R	635,758	654,146	673,069	692,540	712,602	363,989	0	0	0	0	Set by Sch	DW502901	DW502901	DW502901
PRINCIPAL-R.O. EXPANSION	211,436	218,767	226,353	234,869	242,981	251,408	260,126	269,147	278,481	288,139	Set by Sch	RO Exp BOA	RO Exp BOA	RO Exp BOA
PRINCIPAL-DWSRFS00201 A	38,443	39,453	40,490	41,554	42,645	43,765	44,915	46,095	47,306	48,549	Set by Sch	DW500201	DW500201	DW500201
PRINCIPAL-DWSRFS500200 A1	142,711	146,764	150,932	155,219	159,627	164,160	168,822	173,616	178,547	183,617	Set by Sch	DW500200	DW500200	DW500200
SRF LOAN PRINCIPAL- WIP 2	210,273	212,563	215,078	217,624	220,199	222,805	225,442	228,110	230,810	233,541	Set by Sch	DW500210	DW500210	DW500210
INTEREST- DWSRFS502901 R	102,665	84,277	64,561	45,884	25,822	5,223	0	0	0	0	Set by Sch	DW502901	DW502901	DW502901
INTEREST-R.O. EXPANSION	85,442	78,113	62,498	62,016	53,868	45,441	36,723	27,702	18,368	8,710	Set by Sch	RO Exp BOA	RO Exp BOA	RO Exp BOA
INTEREST-DWSRFS00201 A1	13,693	12,683	11,603	10,583	9,491	8,371	7,221	6,041	4,830	3,587	Set by Sch	DW500201	DW500201	DW500201
INTEREST-DWSRFS00200 AR	55,599	51,547	47,205	43,092	38,684	34,151	29,489	24,695	19,764	14,694	Set by Sch	DW500200	DW500200	DW500200
SRF LOAN INTERST- WIP 201	53,200	50,910	48,905	45,849	43,273	40,667	38,031	35,363	32,663	29,931	Set by Sch	DW500210	DW500210	DW500210
RESERVE FOR CONTINGENCY	13,198	104,395	72,045	15,000	25,000	25,000	25,000	25,000	25,000	25,000	Fixed			
TOTAL Expenditures	3,730,930	4,146,203	4,208,518	4,235,415	4,843,140	4,629,385	4,444,892	4,565,121	4,758,240	4,727,505				
YoY % Chng total		11.1%	1.5%	0.6%	14.3%	-4.4%	-4.0%	2.7%	4.2%	-0.6%				
NET OF REVENUES/APPROPRIATIONS	(28,466)	(460,619)	51,031	153,650	49,050	(140,965)	(86,442)	62,893	(224,726)	157,905				
BEGINNING UNRESTRICTED N	3,789,988	3,761,522	3,300,903	3,351,934	2,922,938	2,559,488	1,964,772	1,457,553	1,520,446	1,295,720				
ENDING UNRESTRICTED N	3,761,522	3,300,903	3,351,934	3,505,584	2,971,988	2,418,522	1,878,331	1,520,446	1,295,720	1,453,625				

Water Fund Five Year Budget Forecast with 10% Rate Change

DESCRIPTION	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Forecasted Percentage Change			
Revenues	Actual	Actual	Actual	Estimate	Budget / Forecast	Forecast	Forecast	Forecast	Forecast	Forecast	Basis			
ARPA FEDERAL GRANT FUNDS			287,240	287,241	0			0	0	0	Pct			
WATER UTILITY REVENUE	2,014,193	2,036,762	2,336,579	2,321,941	2,554,135	2,809,549	3,090,503	3,399,554	3,739,509	4,113,460	FY 2024 - FY 2025 - FY 2026 - FY 2027 - FY 2028			
FIRE HYDRANT - MAINTENANCE	30,720	25,920	30,720	30,720	31,000	32,550	34,178	35,886	37,681	39,565	5%			
IRRIGATION UTILITY REVENUE				481,718	529,890	582,879	641,167	705,283	775,812	853,393	Pct			
INTEREST ON INVESTMENTS	84,797	30,286	2,114	8,000	29,000	29,870	30,766	31,689	32,640	33,619	+3%/Yr			
DISPOSITION OF FIXED ASSETS		(8,859)	16,251	0							3%			
ADMINISTRATIVE REIMBURSE	140,000	147,000	154,350	220,000	220,000						5%			
INSURANCE REIMBURSEMENT	2,965	24,471	2,292	0							Fixed from SF			
OTHER MISCELLANEOUS REVENUE	289				0						280,782			
TRANSFER FROM GENERAL FUND	1,429,500	1,430,004	1,430,003	1,039,445	945,519	451,753	0	0	0	0	Plan			
APPROPRIATION FROM RESERVE - PRIOR CONNEC FEES					296,880						Ad Valorem Tax Revenue			
APPROPRIATION FROM RESERVE					285,766						Match to Capital Plan			
APPROPRIATION FROM R & R						412,500	453,750	420,778	0					
TOTAL Revenues	3,702,464	3,685,584	4,259,549	4,389,065	4,892,190	4,550,100	4,492,914	4,847,868	4,853,053	5,320,819				
YoY % Chng		-0.5%	15.6%	3.0%	11.5%	-7.0%	-1.3%	7.9%	0.1%	9.6%				
Expenditures														
REGULAR SALARIES & WAGE	575,386	595,038	602,700	621,000	692,860	727,503	763,878	802,072	842,176	884,284	+5%/Yr			
BONUS				0	18,200	0	0	0	0	0	5%			
OVERTIME	39,812	35,611	38,355	45,000	42,259	41,820	42,656	43,510	44,380	45,267	Avg \$41K + %			
SHIFT DIFFERENTIAL PAY	6,039	7,542	10,574	14,000	8,986	9,180	9,364	9,551	9,742	9,937	Avg \$9K + %			
EDUCATION INCENTIVE PAY		4,231	6,000	6,000	6,000	6,000	6,000	6,000	6,000	6,000	Fixed			
FICA TAXES	50,125	39,022	47,798	54,880	57,383	62,760	65,752	68,891	72,184	75,639	Ratio to Salaries			
BONUS FICA TAXES				0	1,400	0	0	0	0	0	8%			
RETIREMENT CONTRIBUTION	137,404	209,300	86,383	95,000	113,255	116,653	120,152	123,757	127,470	131,294	+3%/Yr			
BONUS RETIREMENT CONTRIBUTION				0	2,800	0	0	0	0	0	3%			
OPEB EXPENSE	(3,225)	7,339	(516)	0	0	0	0	0	0	0	0			
HEALTH INSURANCE/ALLOWANCE	162,333	156,497	149,229	147,000	170,682	187,750	206,525	227,178	249,896	274,885	+10%/Yr			
WORKERS' COMPENSATION	35,000	28,435	33,920	6,000	16,933	18,626	20,489	22,538	24,792	27,271	+10%/Yr			
COMPENSATED ABSENCES	7,430	8,028	7,430	15,000	0	0	0	0	0	0	0			
PROFESSIONAL FEES	21,705	3,406	70,061	50,000	50,000	52,500	55,125	57,881	60,775	63,814	+10%/Yr			
OTHER CONTRACTUAL SERV	10,390	124,375	69,224	24,000	41,000	45,100	45,100	45,100	45,100	45,100	+10%/Yr			
TRAVEL AND PER DIEM	1,571	1,377	1,600	3,745	3,745	3,932	4,129	4,335	4,552	4,780	+5%/Yr			
TRAINING & DEVELOPMENT	2,955	2,349	335	2,400	2,700	2,835	2,977	3,126	3,282	3,446	+5%/Yr			
COMMUNICATIONS	1,714	3,062	3,344	3,500	0	0	0	0	0	0	0			
POSTAGE & FREIGHT	88	53	336	105	300	315	331	347	365	383	+5%/Yr			
UTILITY SERVICES	222,292	204,732	227,876	285,000	315,988	338,107	361,775	387,099	414,196	443,190	+7%/Yr			
INSURANCE & BONDS	106,419	137,979	100,262	150,000	130,997	174,357	158,506	170,972	191,793	210,972	+10%/Yr			
REPAIRS & MAINTENANCE - CAPITAL	207,148	59,373	103,103	65,000	125,000	131,250	137,813	144,703	151,938	159,535	+10%/Yr			
REPAIRS & MAINTENANCE - OPERATING	1,831	4,115	730	2,000	2,500	2,875	3,306	3,802	4,373	5,028	+15%/Yr			
RENEWALS & REPLACEMENT	110,437	188,172	17,570	90,000	140,000	155,751	171,249	188,292	207,036	227,650	5% PY Rev			
OTH CURR CHG-LICENSE & PERMITS	4,275	4,275	4,975	5,000	5,450	5,723	6,009	6,309	6,625	6,956	+5%/Yr			
ADMINISTRATIVE CHARGES	298,550	327,870	325,433	550,000	550,000	550,000	550,000	550,000	550,000	550,000	Fixed			
OPERATING SUPPLIES	124,679	207,557	197,282	210,000	325,000	341,250	358,313	376,228	395,040	414,792	+5%/Yr			
UNIFORMS	5,277	4,549	9,313	6,000	6,000	6,300	6,615	6,946	7,293	7,658	+5%/Yr			
OPERATING SUPPLIES- SAFE	1,213	873	1,846	1,700	3,500	3,675	3,859	4,052	4,254	4,467	+5%/Yr			
OPERATING SUPPLIES-GASOLINE	28,640	5,627	3,620	3,000	4,321	4,753	5,288	5,751	6,326	6,959	+10%/Yr			
BOOKS, DUES, EDUCATION SUPPLIES	1,024	2,603	1,888	2,000	3,000	3,150	3,308	3,473	3,647	3,829	+5%/Yr			
BUILDINGS	0	118,203	88,692	10,000	50,000	50,000	50,000	50,000	50,000	50,000	Fixed			
IMPROVEMENTS OTHER THAN BUILDINGS	0	1,969	333,568	190,000	0	412,500	453,750	420,778	450,232	244,580	Cap Plan or % PYF			
MACHINERY AND EQUIPMENT		400	37,420	16,000	378,689						Cap Plan			
PRINCIPAL-DWSR502901 R	635,758	654,146	673,069	692,540	712,602	363,989	0	0	0	0	Set by Sch			
PRINCIPAL-R.O. EXPANSION	211,436	218,767	226,353	234,869	242,981	251,408	260,126	269,147	278,481	288,139	RO Exp BOA			
PRINCIPAL-DWSR500201 A	38,443	39,453	40,490	41,554	42,645	43,765	44,915	46,095	47,306	48,549	Set by Sch			
PRINCIPAL-DWSR500200 A1	142,711	146,764	150,932	155,219	159,627	164,160	168,822	173,616	178,547	183,617	Set by Sch			
SRF LOAN PRINCIPAL- WIP 2	210,273	212,563	215,078	217,624	220,199	222,805	225,442	228,110	230,810	233,541	Set by Sch			
INTEREST- DWSR502901 R	102,665	84,277	64,561	45,884	25,822	5,223	0	0	0	0	Set by Sch			
INTEREST-R.O. EXPANSION	85,442	78,113	62,498	62,016	53,868	45,441	36,723	27,702	18,368	8,710	Set by Sch			
INTEREST-DWSR500201 A1	13,693	12,683	11,603	10,583	9,491	8,371	7,221	6,041	4,830	3,587	Set by Sch			
INTEREST-DWSR500200 AR	55,599	51,547	47,205	43,092	38,684	34,151	29,489	24,695	19,764	14,694	Set by Sch			
SRF LOAN INTERST- WIP 201	53,200	50,910	48,905	45,849	40,667	38,031	35,363	32,663	29,931	27,181	Set by Sch			
RESERVE FOR CONTINGENCY	13,198	104,395	72,045	15,000	25,000	25,000	25,000	25,000	25,000	25,000	Fixed			
TOTAL Expenditures	3,730,930	4,146,203	4,208,518	4,235,415	4,843,140	4,629,385	4,447,976	4,571,844	4,769,232	4,743,482				
YoY % Chng total		11.1%	1.5%	0.6%	14.3%	-4.4%	-3.9%	2.8%	4.3%	-0.5%				
NET OF REVENUES/APPROPRIATIONS	(28,466)	(460,619)	51,031	153,650	49,050	(79,285)	44,938	276,024	83,820	577,336				
BEGINNING UNRESTRICTED NEEDED	3,789,988	3,761,522	3,300,903	3,351,934	2,922,938	2,559,488	2,026,453	1,650,613	1,926,637	2,010,457				
ENDING UNRESTRICTED NEEDED	3,761,522	3,300,903	3,351,934	3,505,584	2,971,988	2,480,203	2,071,390	1,926,637	2,010,457	2,587,794				

Water Fund Five Year Budget Forecast with 5% Rate Change

DESCRIPTION	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Basis	Forecasted Percentage Change				
Revenues	Actual	Actual	Actual	Estimate	Budget / Forecast	Forecast	Forecast	Forecast	Forecast	Forecast						
ARPA FEDERAL GRANT FUNDS			287,240	287,241	0			0	0	0	Pct	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
WATER UTILITY REVENUE	2,014,193	2,036,762	2,336,579	2,321,941	2,554,135	2,681,842	2,815,934	2,956,731	3,104,567	3,259,796		5%	5%	5%	5%	5%
FIRE HYDRANT- MAINTENANCE	30,720	25,920	30,720	30,720	31,000	32,550	34,178	35,886	37,681	39,565	Pct	5%				
IRRIGATION UTILITY REVENUE				481,718	529,890	556,384	584,204	613,414	644,084	676,289	Pct	5%	5%	5%	5%	5%
INTEREST ON INVESTMENTS	84,797	30,286	2,114	8,000	29,000	29,870	30,766	31,689	32,640	33,619	+3%/Yr					
DISPOSITION OF FIXED ASSETS		(8,859)	16,251	0												
ADMINISTRATIVE REIMBURSE	140,000	147,000	154,350	220,000	220,000	231,000	242,550	254,678	267,411	280,782	Fixed from SF					
INSURANCE REIMBURSEMENT	2,965	24,471		0												
OTHER MISCELLANEOUS REVENUE	289				0	0	0	0	0	0						
TRANSFER FROM GENERAL FUND	1,429,500	1,430,004	1,430,003	1,039,445	945,519	451,753	0	0	0	0	Plan					
APPROPRIATION FROM RESERVE - PRIOR CONNEC FEES					296,880											
APPROPRIATION FROM RESERVE					285,766											
APPROPRIATION FROM R & R						412,500	453,750	420,778	0	0	Match to Capital Plan					
TOTAL Revenues	3,702,464	3,685,584	4,259,549	4,389,065	4,892,190	4,395,899	4,161,381	4,313,175	4,086,383	4,290,050						
YoY % Chng		-0.5%	15.6%	3.0%	11.5%	-10.1%	-5.3%	3.6%	-5.3%	5.0%						
Expenditures																
REGULAR SALARIES & WAGE	575,386	595,038	602,700	621,000	692,860	727,503	763,878	802,072	842,176	884,284	+5%/Yr					
BONUS					18,200	0	0	0	0	0						
OVERTIME	39,812	35,611	38,355	45,000	42,259	41,820	42,656	43,510	44,380	45,267	Avg \$41K + %					
SHIFT DIFFERENTIAL PAY	6,039	7,542	10,574	14,000	8,986	9,180	9,364	9,551	9,742	9,937	Avg \$9K + %					
EDUCATION INCENTIVE PAY			6,000	6,000	6,000	6,000	6,000	6,000	6,000	6,000	Fixed					
FICA TAXES	50,125	39,022	47,798	54,880	57,383	62,760	65,752	68,891	72,184	75,639	Ratio to Salaries					
BONUS FICA TAXES					1,400	0	0	0	0	0						
RETIREMENT CONTRIBUTION	137,404	209,300	86,383	95,000	113,255	116,653	120,152	123,757	127,470	131,294	+3%/Yr					
BONUS RETIREMENT CONTRIBUTION					2,800	0	0	0	0	0						
OPEB EXPENSE	(3,225)	7,339	(516)	0	0	0	0	0	0	0						
HEALTH INSURANCE/ALLOWANCE	162,333	156,497	149,229	147,000	170,682	187,750	206,525	227,178	249,896	274,885	+10%/Yr					
WORKERS' COMPENSATION	35,000	28,435	33,920	6,000	16,933	18,626	20,489	22,538	24,792	27,271	+10%/Yr					
COMPENSATED ABSENCES	7,430	8,028	7,430	15,000	0	0	0	0	0	0						
PROFESSIONAL FEES	21,705	3,406	70,061	50,000	50,000	52,500	55,125	57,881	60,775	63,814	+10%/Yr					
OTHER CONTRACTUAL SERV	10,390	124,375	69,224	24,000	41,000	45,100	45,100	45,100	45,100	45,100	+10%/Yr					
TRAVEL AND PER DIEM	1,571	1,377	1,600	1,600	3,745	3,932	4,129	4,335	4,552	4,780	+5%/Yr					
TRAINING & DEVELOPMENT	2,955	2,349	335	2,400	2,700	2,835	2,977	3,126	3,282	3,446	+5%/Yr					
COMMUNICATIONS	1,714	3,062	3,344	3,500	0	0	0	0	0	0						
POSTAGE & FREIGHT	88	53	336	105	300	315	331	347	365	383	+5%/Yr					
UTILITY SERVICES	222,292	204,732	227,876	285,000	315,988	338,107	361,775	387,099	414,196	443,190	+7%/Yr					
INSURANCE & BONDS	106,419	137,979	100,262	150,000	130,997	144,097	158,506	174,357	191,793	210,972	+10%/Yr					
REPAIRS & MAINTENANCE- CAPITAL	207,148	59,373	103,103	65,000	125,000	131,250	137,813	144,703	151,938	159,535	+10%/Yr					
REPAIRS & MAINTENANCE- NON CAPITAL	1,831	4,115	730	2,000	2,500	2,875	3,306	3,802	4,373	5,028	+15%/Yr					
RENEWALS & REPLACEMENT	110,437	188,172	17,570	90,000	140,000	155,751	163,539	171,716	180,302	189,317	5% PY Rev					
OTH CURR CHG- LICENSE & PERMITS	4,275	4,275	4,975	5,000	5,450	5,723	6,009	6,309	6,625	6,956	+5%/Yr					
ADMINISTRATIVE CHARGES	298,550	327,870	325,433	550,000	550,000	550,000	550,000	550,000	550,000	550,000	Fixed					
OPERATING SUPPLIES	124,679	207,557	197,282	210,000	325,000	341,250	358,313	376,228	395,040	414,792	+5%/Yr					
UNIFORMS	5,277	4,549	9,313	6,000	6,000	6,300	6,615	6,946	7,293	7,658	+5%/Yr					
OPERATING SUPPLIES- SAFETY	1,213	873	1,846	1,700	3,500	3,675	3,859	4,052	4,254	4,467	+5%/Yr					
OPERATING SUPPLIES-GASOLINE	28,640	5,627	3,620	3,000	4,321	4,753	5,288	5,751	6,326	6,959	+10%/Yr					
BOOKS, DUES, EDUCATION SUPPLIES	1,024	2,603	1,888	2,000	3,000	3,150	3,308	3,473	3,647	3,829	+5%/Yr					
BUILDINGS	0	118,203	88,692	10,000	50,000	50,000	50,000	50,000	50,000	50,000	Fixed					
IMPROVEMENTS OTHER THAN BUILDINGS	0	1,969	333,568	190,000	0	412,500	453,750	420,778	450,232	244,580	Cap Plan or % PYF					
MACHINERY AND EQUIPMENT		400	37,420	16,000	378,689						Cap Plan					
PRINCIPAL-DWSRFS02901 R	635,758	654,146	673,069	692,540	712,602	363,989	0	0	0	0	Set by Sch					DW502901
PRINCIPAL-R.O. EXPANSION	211,436	218,767	226,353	234,869	242,981	251,408	260,126	269,147	278,481	288,139	Set by Sch					RO Exp BOA
PRINCIPAL-DWSRFS00201 A	38,443	39,453	40,490	41,554	42,645	43,765	44,915	46,095	47,306	48,549	Set by Sch					DW500201
PRINCIPAL-DWSRFS00200 A1	142,711	146,764	150,932	155,219	159,627	164,160	168,822	173,616	178,547	183,617	Set by Sch					DW500200
SRF LOAN PRINCIPAL- WIP 2	210,273	212,563	215,078	217,624	220,199	222,805	225,442	228,110	230,810	233,541	Set by Sch					DW500210
INTEREST- DWSRFS02901 R	102,665	84,277	64,561	45,884	25,822	5,223	0	0	0	0	Set by Sch					DW502901
INTEREST-R.O. EXPANSION	85,442	78,113	62,498	62,016	53,868	45,441	36,723	27,702	18,368	8,710	Set by Sch					RO Exp BOA
INTEREST-DWSRFS00201 A1	13,693	12,683	11,603	10,583	9,491	8,371	7,221	6,041	4,830	3,587	Set by Sch					DW500201
INTEREST-DWSRFS00200 AR	55,599	51,547	47,205	43,092	38,684	34,151	29,489	24,695	19,764	14,694	Set by Sch					DW500200
SRF LOAN INTERST- WIP 201	53,200	50,910	48,905	45,849	43,273	40,667	38,031	35,363	32,663	29,931	Set by Sch					DW500210
RESERVE FOR CONTINGENCY	13,198	104,395	72,045	15,000	25,000	25,000	25,000	25,000	25,000	25,000	Fixed					
TOTAL Expenditures	3,730,930	4,146,203	4,208,518	4,235,415	4,843,140	4,629,385	4,440,266	4,555,267	4,742,498	4,705,149						
YoY % Chng total		11.1%	1.5%	0.6%	14.3%	-4.4%	-4.1%	2.6%	4.1%	-0.8%						
NET OF REVENUES/APPROPRIATIONS	(28,466)	(460,619)	51,031	153,650	49,050	(233,486)	(278,885)	(242,092)	(656,114)	(415,099)						
BEGINNING UNRESTRICTED N	3,789,988	3,761,522	3,300,903	3,351,934	2,922,938	2,559,488	1,872,252	1,172,589	930,497	274,383						
ENDING UNRESTRICTED N	3,761,522	3,300,903	3,351,934	3,505,584	2,971,988	2,326,002	1,593,367	930,497	274,383	(140,717)						

Sewer Fund Five Year Budget Forecast with 5% Rate Change

DESCRIPTION	FY 2019				FY 2021		FY 2023		FY 2025				FY 2027		FY 2028		Basis	Percentage Change
	Actual	Actual	Actual	Actual	FY 2021	FY 2021	FY 2023	Budget / Forecast	FY 2025	FY 2025	FY 2025	FY 2025	FY 2027	FY 2027	FY 2028	FY 2028		
Revenues																		
ARPA FEDERAL GRANT FUNDS				693,431				0		0	0	0	0	0	0	0		
SEWER UTILITIES REVENUE	1,128,148	1,155,248	1,188,036	1,188,036			1,535,124		1,692,474	1,692,474	1,777,097	1,865,952	1,865,952	1,959,250	1,959,250		Rate plan	5%
INTEREST ON INVESTMENTS	37,590	15,708	893	893			21,000		22,279	22,279	22,947	23,636	23,636	24,345	24,345		+3%/Yr	5%
DISPOSITION OF FIXED ASSETS				7,350														3%
INSURANCE REIMBURSEMENTS	35																	
APPROPRIATION FROM RESERVE																		
APPROPRIATION FROM R & R							237,358										Match to Capital Plan	
	1,165,773	1,170,956	1,889,710	1,889,710		1,941,321	1,793,482		1,910,586	1,910,586	2,013,208	2,120,911	2,120,911	2,290,400	2,290,400			
TOTAL Revenues						1,941,321	1,793,482		1,910,586	1,910,586	2,013,208	2,120,911	2,120,911	2,290,400	2,290,400			
YoY % Chng		0.4%	61.4%			2.7%	-7.6%		-0.7%	5.4%	5.4%	5.3%	5.3%	8.0%	8.0%			
Expenditures																		
PROFESSIONAL FEES	25,617	37,829	38,730	38,730		150,848	90,000		77,175	81,034	81,034	85,085	85,085	89,340	89,340		Avg \$70K + 5%	5%
OTHER CONTRACTUAL SERVICES	1,175	14,449	39,621	39,621		19,000	25,000		30,250	33,275	33,275	36,603	36,603	40,263	40,263		10%/Yr	10%
UTILITY SERVICES	32,805	30,227	30,526	30,526		40,000	38,750		46,888	51,576	51,576	56,734	56,734	62,407	62,407		10%/Yr	10%
SEWAGE TREATMENT-CITY OF DELRA	618,185	799,975	920,150	920,150		900,000	985,000		1,148,904	1,240,816	1,240,816	1,340,082	1,340,082	1,447,288	1,447,288		8%/Yr	8%
INSURANCE & BONDS		4,998	3,613	3,613		9,000	2,942		3,236	3,916	3,916	4,307	4,307	4,738	4,738		10%/Yr	10%
REPAIRS & MAINTENANCE- GENERAL	75,822	162,443	12,374	12,374		60,000	50,000		79,380	83,349	83,349	87,516	87,516	91,892	91,892		Avg \$72K + 5%	5%
RENEWALS & REPLACEMENTS	96,698	13,292	21,920	21,920		120,675	120,000		80,594	84,624	84,624	88,855	88,855	93,298	93,298		5% PY Rev	5%
ADMINISTRATIVE CHARGES	140,000	147,000	154,350	154,350		220,000	220,000		231,000	242,550	254,678	267,411	267,411	280,782	280,782		Fixed to WF	
OPERATING SUPPLIES	327	3,188	952	952		1,000	1,000		3,000	4,000	4,000	5,000	5,000	6,000	6,000		+1K/Yr	1,000
BUILDINGS	6,084																	
IMPROVEMENTS OTHER THAN BLDG.	7,141		24,480	24,480		661,000	225,000		197,465	217,309	217,309	239,148	239,148	322,537	322,537		Capital Plan Tab	
MACHINERY AND EQUIPMENT			2,970	2,970														
RESERVE FOR CONTINGENCY																		
	17,174					25,000	25,000		25,000	25,000	25,000	25,000	25,000	25,000	25,000		Fixed	
	1,021,028	1,213,401	1,249,686	1,249,686		2,206,523	1,782,692		1,934,765	2,079,577	2,079,577	2,235,741	2,235,741	2,463,545	2,463,545			
TOTAL Expenditures						2,206,523	1,782,692		1,934,765	2,079,577	2,079,577	2,235,741	2,235,741	2,463,545	2,463,545			
YoY % Chng		18.8%	3.0%			76.6%	-19.2%		1.2%	7.5%	7.5%	7.5%	7.5%	10.2%	10.2%			
NET OF REVENUES/APPROPRIATION	144,745	(42,445)	640,024	640,024		(265,202)	10,790		(24,179)	(66,369)	(66,369)	(114,830)	(114,830)	(173,145)	(173,145)			
BEGINNING UNRESTRICTED NET POS	2,133,349	2,275,094	2,235,649	2,235,649		2,875,673	2,373,113		1,909,664	1,672,321	1,672,321	1,374,629	1,374,629	952,994	952,994			
ENDING UNRESTRICTED NET POSITIC	2,278,094	2,235,649	2,875,673	2,875,673		2,610,471	2,383,903		1,885,484	1,605,952	1,605,952	1,259,799	1,259,799	779,848	779,848			

Captial Plan for Water Utilities

2022 Baseline	Annual Percent Change Cumulative Percent Change							
		0%	10%	10%	10%	7%	7%	7%
Water System								
Water CIP Projects								
250,000	VFD Replacements	250,000						
30,000	Vehicle Replacements		33,000					
80,000	Rehab of Well # 8	80,000						
25,000	Upgrade SCADA Software	25,000						
120,000	Replace Membrane Train Turbos		27,500	30,250	32,368	34,633	37,058	
250,000	Replace Water Plant Roof		132,000		323,675			
300,000	Paint Elevated Storage Tank interior			363,000				
100,000	Replace Cartridge Filter Vessels				-	138,533		
50,000	Replace Water Plant Blowers		55,000					
100,000	WTP De-Gasifier and Scrubber System		110,000					
150,000	Bulk Tank Repl					207,799		
50,000	Meter Replacements	23,689	55,000	60,500	64,735	69,266	74,115	
90,000	Replace West Chiller atWTP						133,407	
Total Water CIP Projects		\$ 378,689	\$ 412,500	\$ 453,750	\$ 420,778	\$ 450,232	\$ 244,580	

Captial Plan for Sewer Utilities

Baseline	Sewer System						
		0%	10%	10%	10%	7%	7%
		2022-23	2023-24	2024-25	2025-26	2026-27	2027-28
	Sewer CIP Projects						
\$ 105,781	Lift Station #2 Rehab	\$ -	116,359				
225,000	WW Collection Sys Piping (Phase 2)	225,000					
158,672	Raise Lift Station #3		174,539				
163,194	Raise Lift Station #2			197,465			
167,845	Replace Emergency Generator LS #1				217,309		
172,629	Raise Lift Statio #4					239,148	
217,592	WW Collection Sys Rehab						322,537
	Total Sewer CIP Projects	\$ 225,000	\$ 290,898	\$ 197,465	\$ 217,309	\$ 239,148	\$ 322,537

Water Fund - Analysis of Expenses

	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
Salaries & Related	1,018,304	1,091,043	997,524	1,003,880	1,130,758	1,170,292	1,234,816	1,303,495	1,376,638	1,454,577
Operating	1,163,406	1,385,365	1,210,620	1,466,305	1,734,501	1,816,613	1,895,557	1,980,079	2,070,601	2,167,581
Debt Service	1,549,220	1,549,223	1,540,694	1,549,230	1,549,192	1,179,980	810,769	810,769	810,769	810,768
Operating Exp	3,730,930	4,025,631	3,748,838	4,019,415	4,414,451	4,166,885	3,941,142	4,094,343	4,258,008	4,432,926
Capital	-	120,572	459,680	216,000	428,689	462,500	503,750	470,778	500,232	294,580

Annualized Growth Rate 2019 to 2023

Salaries & Related	2.7%
Operating	10.5%
Debt Service	0.0%
Operating Exp	4.3%

Annualized Growth Rate 2019 to 2028

Salaries & Related	4.0%
Operating	7.2%
Debt Service	-6.9%
Operating Exp	1.9%
Capital	11.8%

Sewer Fund Analysis of Expenses

	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Average Annual Growth Rate
Salaries & Related	-	-	-	-	-	-	-	-	-	-	
Operating	1,007,803	1,213,401	1,222,236	1,545,523	1,557,692	1,621,017	1,739,603	1,867,173	2,004,429	2,152,136	8.8%
DS	-	-	-	-	-	-	-	-	-	-	
Operating Exp	1,007,803	1,213,401	1,222,236	1,545,523	1,557,692	1,621,017	1,739,603	1,867,173	2,004,429	2,152,136	
Capital	13,225	0	27,450	661,000	225,000	290,898	197,465	217,309	239,148	322,537	42.6%

Water Fund - Debt Balance (in millions)

