Appendix B
City of Stuart
Water and Wastewater Rate Study

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Table 1
City of Stuart
Water and Wastewater Rate Study

Summary of Sewer Expansion Program Assumptions

Line No.	Description	Fiscal Year Ending September 30, 2017	2018	2019	2020	2021	2022
	DEVELOPMENT OF CHARGES						
	Proposed Charges						
1	Collection System Cost per ERC	$6,908	$6,908	$6,908	$6,908	$6,908	$6,908
2	Sewer Availability Fee per ERC	$2,092	$2,092	$2,092	$2,092	$2,092	$2,092
3	Total Charges per ERC	$9,000	$9,000	$9,000	$9,000	$9,000	$9,000
	Sewer Expansion Fees Terms:						
4	Period (Years)	10	10	10	10	10	10
5	Interest Rate	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	Projected Annual Sewer Expansion Fees						
6	Collection System Cost per ERC	$691	$691	$691	$691	$691	$691
7	Sewer Availability Fee per ERC	$209	$209	$209	$209	$209	$209
8	Total Charges per ERC	$900	$900	$900	$900	$900	$900
9	Discount for Connection within 12 Months	22.22%	22.22%	22.22%	22.22%	22.22%	22.22%
	Projected Annual Sewer Expansion Fees (Discounted)						
10	Collection System Cost per ERC	$491	$491	$491	$491	$491	$491
11	Sewer Availability Fee per ERC	$209	$209	$209	$209	$209	$209
12	Total Charges per ERC	$700	$700	$700	$700	$700	$700
	Projected Upfront Payment						
13	Collection System Cost per ERC	$3,908	$3,908	$3,908	$3,908	$3,908	$3,908
14	Sewer Availability Fee per ERC	$2,092	$2,092	$2,092	$2,092	$2,092	$2,092
15	Total Charges per ERC	$6,000	$6,000	$6,000	$6,000	$6,000	$6,000

Table 1
City of Stuart
Water and Wastewater Rate Study

Summary of Sewer Expansion Program Assumptions

Line No.	Description	Short-term Life Cycle Yr. 1	Yr. 2	Yr. 3	Yr. 4	Yr. 5	Unconnected
	CUSTOMER PROFILE						
	Customer Connection Profile						
16	Connections	12.50%	6.94%	6.94%	6.94%	6.94%	25.00%
	Payment Profile	Percent	Percent	Percent	Percent	Percent	Weighted
17	Upfront Payment	6.25%	0.00%	0.00%	0.00%	0.00%	15.52%
18	Annual Sewer Expansion Fees (Discounted)	6.25%	0.00%	0.00%	0.00%	0.00%	15.52%
19	Annual Sewer Expansion Fees (At Cost)	0.00%	6.94%	6.94%	6.94%	6.94%	68.97%

Line No.	Description	Fiscal Year Ending September 30, 2017	2018	2019	2020	2021	2022
	CUSTOMER CONNECTIONS						
20	Customer Connections - Available						
21	St. Lucie Basin		200				
22	Dolphin Basin			156			
23	Poppleton Basin			94			
24	Palm Beach Basin			53			
25	East Stuart Basin			10			
26	Channel Ave. Basin			18			
27	Existing Basin Expansion	125	125	125	125	125	125
28	Future Basin Expansion						
29	Future Basin Expansion						
30	Total Connections - Available	125	325	456	125	125	125
20	Customer Connections - Each Year						
21	St. Lucie Basin		25	14	14	14	14
22	Dolphin Basin			20	11	11	11
23	Poppleton Basin			12	7	7	7
24	Palm Beach Basin			7	4	4	4
25	East Stuart Basin			1	1	1	1
26	Channel Ave. Basin			2	1	1	1
27	Existing Basin Expansion	125	125	125	125	125	125
28	Future Basin Expansion						
29	Future Basin Expansion						
31	Total Connections - Each Year	125	150	180	162	162	162
20	Customer Connections - Cumulative						
21	St. Lucie Basin	0	25	39	53	67	81
22	Dolphin Basin	0	0	20	30	41	52
23	Poppleton Basin	0	0	12	18	25	31
24	Palm Beach Basin	0	0	7	10	14	18
25	East Stuart Basin	0	0	1	2	3	3
26	Channel Ave. Basin	0	0	2	4	5	6
27	Existing Basin Expansion	125	250	375	500	625	750
28	Future Basin Expansion	0	0	0	0	0	0
29	Future Basin Expansion	0	0	0	0	0	0
32	Total Connections - Cumulative	125	275	455	617	779	941

Table 1
City of Stuart
Water and Wastewater Rate Study

Summary of Sewer Expansion Program Assumptions

Line No.	Description	Fiscal Year Ending September 30, 2017	2018	2019	2020	2021	2022
	DEVELOPMENT OF SEF REVENUES						
	Projected Upfront Payments						
33	Collection System Cost	$0	$48,850	$80,847	$0	$0	$0
34	Sewer Availability Fee	$0	$26,150	$43,278	$0	$0	$0
35	Total Charges	$0	$75,000	$124,125	$0	$0	$0
	Projected Annual Sewer Expansion Fees (Discounted)						
36	Collection System Cost	$0	$6,135	$16,288	$16,288	$16,288	$16,288
37	Sewer Availability Fee	$0	$2,615	$6,943	$6,943	$6,943	$6,943
38	Total Charges	$0	$8,750	$23,231	$23,231	$23,231	$23,231
	Projected Annual Sewer Expansion Fees (At Cost)						
39	Collection System Cost	$86,350	$172,700	$268,644	$380,468	$492,291	$604,114
40	Sewer Availability Fee	$26,150	$52,300	$81,356	$115,219.81	$149,084	$182,948
41	Total Charges	$112,500	$225,000	$350,000	$495,688	$641,375	$787,063
	TOTAL SEF REVENUES						
42	Total Operating Sewer Expansion Fees Revenues	$86,350	$227,685	$365,780	$396,756	$508,579	$620,403
43	Total Sewer Availability Charges	$26,150	$81,065	$131,577	$122,163	$156,027	$189,891
44	Total Charges	$112,500	$308,750	$497,356	$518,919	$664,606	$810,294

Line No.	Description	Fiscal Year Ending September 30, 2017	2018	2019	2020	2021	2022
	Capital Projects - City Costs (Net of Grant Revenues) - See CIP						
45	St. Lucie Basin	$373,660	$0	$0	$0	$0	$0
46	Dolphin Basin	0	227,000	0	0	0	0
47	Poppleton Basin	0	193,500	0	0	0	0
48	Palm Beach Basin	0	153,500	0	0	0	0
49	East Stuart Basin	0	112,000	0	0	0	0
50	Channel Ave. Basin	0	81,250	0	0	0	0
51	Sewer Expansion - Incremental Grinder Systems	500,000	750,000	901,319	809,375	809,375	809,375
52	Total Projects	$873,660	$1,517,250	$901,319	$809,375	$809,375	$809,375
						Total	$5,720,354

Table 2
City of Stuart
Water and Wastewater Rate Study

Projected New Customer Growth and Availability Fees

Line No.	Description		Projected Fiscal Year Ending September 30, [1] 2017	2018	2019	2020	2021	2022
	WATER SYSTEM							
	Impact Fee Schedule							
1	Impact Fee Per ERC		$1,933	$1,933	$1,933	$1,933	$1,933	$1,933
2	Projected New ERC's	Yes	10.0	10.0	10.0	10.0	10.0	10.0
3	Total Water Impact Fee Revenue		$19,330	$19,330	$19,330	$19,330	$19,330	$19,330
4	Percent Prepaid		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
5	Water Impact Fee Revenue Recognized for Forecast		$19,330	$19,330	$19,330	$19,330	$19,330	$19,330
	WASTEWATER SYSTEM							
	Impact Fee Schedule							
6	Impact Fee Per ERC		$2,092	$2,092	$2,092	$2,092	$2,092	$2,092
7	Projected New ERC's	Yes	10.0	10.0	10.0	10.0	10.0	10.0
8	Total Wastewater Impact Fee Revenue		$20,920	$20,920	$20,920	$20,920	$20,920	$20,920
9	Percent Prepaid		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
10	Wastewater Impact Fee Revenue Recognized for Forecast		$20,920	$20,920	$20,920	$20,920	$20,920	$20,920

Table 2
City of Stuart
Water and Wastewater Rate Study

Projected New Customer Growth and Availability Fees

Footnotes:
[1] Projected new development based upon information provided by staff as follows:

Planned Construction Projects:	Projected Fiscal Year Ending September 30, 2017	2018	2019	2020	2021	2022
Incremental Customer Growth						
Number of Homes	10.0	10.0	10.0	10.0	10.0	10.0
Water Gallons per Day per Unit	250	250	250	250	250	250
Wastewater Gallons per Day per Unit	200	200	200	200	200	200
Projected Water ERCs	10.0	10.0	10.0	10.0	10.0	10.0
Projected Wastewater ERCs	10.0	10.0	10.0	10.0	10.0	10.0
Wastewater Expansion Project						
Number of Homes	125.0	150.0	180.3	161.9	161.9	161.9
Water Gallons per Day per Unit	0	0	0	0	0	0
Wastewater Gallons per Day per Unit	200	200	200	200	200	200
Projected Water ERCs	0.0	0.0	0.0	0.0	0.0	0.0
Projected Wastewater ERCs	125.0	150.0	180.3	161.9	161.9	161.9
Total Projected Customer Growth						
Projected Water and Wastewater Accounts	10.0	10.0	10.0	10.0	10.0	10.0
Projected Water ERCs	10.0	10.0	10.0	10.0	10.0	10.0
Projected Wastewater ERCs	135.0	160.0	190.3	171.9	171.9	171.9

Table 2
City of Stuart
Water and Wastewater Rate Study

Projected New Customer Growth and Availability Fees

Footnote 1 Continued.

Projected Billing Determinants:		Projected Fiscal Year Ending September 30,					
		2017	2018	2019	2020	2021	2022
Average Account Growth:							
Water System		4,428	4,438	4,448	4,458	4,468	4,478
	Yes	10.0	10.0	10.0	10.0	10.0	10.0
		4,438	4,448	4,458	4,468	4,478	4,488
		0.23%	0.23%	0.22%	0.22%	0.22%	0.22%
Wastewater System		2,397	2,532	2,692	2,882	3,054	3,226
	Yes	135.0	160.0	190.3	171.9	171.9	171.9
		2,532	2,692	2,882	3,054	3,226	3,398
		5.63%	6.32%	7.07%	5.96%	5.63%	5.33%
Average Sales Growth:							
Water System		990,000	990,480	990,960	991,440	991,920	992,400
	Yes	480	480	480	480	480	480
		990,480	990,960	991,440	991,920	992,400	992,880
		0.05%	0.05%	0.05%	0.05%	0.05%	0.05%
Wastewater System		620,000	626,480	634,160	643,292	651,543	659,793
	Yes	6,480	7,680	9,132	8,250	8,250	8,250
		626,480	634,160	643,292	651,543	659,793	668,043
		1.05%	1.23%	1.44%	1.28%	1.27%	1.25%

Table 3
City of Stuart
Water and Wastewater Rate Study

Projected Rate Revenues at Existing Rates

Line No.	Description	Projected Fiscal Year Ending September 30, 2017	2018	2019	2020	2021	2022
	WATER SYSTEM						
1	Existing Revenues (Budgeted) [1]	$5,308,806	$5,308,806	$5,308,806	$5,308,806	$5,308,806	$5,308,806
2	Additional Revenues from Growth (Cumulative) [2]	2,964	5,928	8,892	11,856	14,820	17,784
3	Total Water Revenues	$5,311,770	$5,314,734	$5,317,698	$5,320,662	$5,323,626	$5,326,590
4	**WASTEWATER SYSTEM**						
5	Existing Revenues (Budgeted) [1]	$4,931,741	$4,931,741	$4,931,741	$4,931,741	$4,931,741	$4,931,741
6	Additional Revenues from Growth (Cumulative) [2]	53,671	117,281	192,920	261,253	329,585	397,918
7	Total Wastewater Revenues	$4,985,412	$5,049,022	$5,124,661	$5,192,994	$5,261,326	$5,329,659
8	**TOTAL RATE REVENUES**	$10,297,182	$10,363,756	$10,442,359	$10,513,656	$10,584,952	$10,656,249

Table 3
City of Stuart
Water and Wastewater Rate Study

Projected Rate Revenues at Existing Rates

Footnotes:

[1] Amounts based on budget, but exclude the proposed index for Fiscal Year 2018.

[2] Projected new development derived from Table 2 based upon information provided by staff as follows:

Description	Projected Fiscal Year Ending September 30, 2017	2018	2019	2020	2021	2022
Water System						
Cumulative Growth in Customer Accounts	10	20	30	40	50	60
Existing Monthly Base Fee & Customer Charge	$13.98	$13.98	$13.98	$13.98	$13.98	$13.98
Projected Revenues from Base Facility Charges	$1,678	$3,355	$5,033	$6,710	$8,388	$10,066
Cumulative Growth in Sales (kgals)	480	960	1,440	1,920	2,400	2,880
Existing Volume Charge (per kgal)	$2.68	$2.68	$2.68	$2.68	$2.68	$2.68
Projected Revenues from Base Facility Charges	$1,286	$2,573	$3,859	$5,146	$6,432	$7,718
Total Incremental Revenues from Customer Growth	$2,964	$5,928	$8,892	$11,856	$14,820	$17,784
Wastewater System						
Cumulative Growth in Customer Accounts	135	295	485	657	829	1,001
Existing Monthly Base Fee & Customer Charge	$7.69	$7.69	$7.69	$7.69	$7.69	$7.69
Projected Revenues from Base Facility Charges	$12,458	$27,223	$44,780	$60,641	$76,502	$92,363
Cumulative Growth in Sales (kgals)	6,480	14,160	23,292	31,543	39,793	48,043
Existing Volume Charge (per kgal)	$6.36	$6.36	$6.36	$6.36	$6.36	$6.36
Projected Revenues from Base Facility Charges	$41,213	$90,058	$148,140	$200,612	$253,083	$305,555
Total Incremental Revenues from Customer Growth	$53,671	$117,281	$192,920	$261,253	$329,585	$397,918

Table 4
City of Stuart
Water and Wastewater Rate Study

Allocation of Other Operating Revenues to Individual Systems

Line No.	Description	Budget [1] 2017	Adjustments	Adjusted 2017	Budget [1] 2018	Adjustments	Adjusted 2018	Basis	Allocation Percentages Water System	Allocation Percentages Wastewater System
	Other Operating Revenues									
1	Miscellaneous Fees / Inspections	$15,000	$0	$15,000	$15,000	$0	$15,000	Input	100.00%	0.00%
2	Delinquent Water Fees	7,500	0	7,500	7,625	0	7,625	Input	100.00%	0.00%
3	Delinquent Sewer Fees	5,500	0	5,500	5,800	0	5,800	Input	0.00%	100.00%
4	Utility Service Charges	47,700	0	47,700	49,000	0	49,000	Equal	50.00%	50.00%
5	Sewer Payment Plans [2]	268,568	(268,568)	0	298,568	(298,568)	0	Direct-S	0.00%	100.00%
6	Reclaimed Water Revenue	83,000	0	83,000	102,942	7,433	110,375	Direct-S	0.00%	100.00%
7	Recovered Bad Debt	300	0	300	1,000	0	1,000	Equal	50.00%	50.00%
8	Other Miscellaneous Revenues	1,200	0	1,200	6,500	0	6,500	Equal	50.00%	50.00%
9	Totals	$428,768	($268,568)	$160,200	$486,435	($291,135)	$195,300			

Footnotes:
[1] Based on budgeted figures as provided by the City.
[2] Amount excluded from operating revenues but included as a cash source for sewer expansion in Table 18.

Table 4
City of Stuart
Water and Wastewater Rate Study

Projected Other Operating Revenues

Line No.	Description	Budgeted 2017	Budgeted 2018	Escalation Reference	Fiscal Year Ending September 30, 2019	2020	2021	2022
	Water System							
	Other Operating Revenues							
1	Miscellaneous Fees / Inspections	$15,000	$15,000	Constant	$15,000	$15,000	$15,000	$15,000
2	Delinquent Water Fees	7,500	7,625	Constant	7,625	7,625	7,625	7,625
3	Delinquent Sewer Fees	0	0	Constant	0	0	0	0
4	Utility Service Charges	23,850	24,500	Constant	24,500	24,500	24,500	24,500
5	Sewer Payment Plans [2]	0	0	Constant	0	0	0	0
6	Reclaimed Water Revenue	0	0	Constant	0	0	0	0
7	Recovered Bad Debt	150	500	Eliminate	0	0	0	0
7	Other Miscellaneous Revenues	600	3,250	Constant	3,250	3,250	3,250	3,250
8	Totals	$47,100	$50,875		$50,375	$50,375	$50,375	$50,375
	Wastewater System							
	Other Operating Revenues							
9	Miscellaneous Fees / Inspections	$0	$0	Constant	$0	$0	$0	$0
10	Delinquent Water Fees	0	0	Constant	0	0	0	0
11	Delinquent Sewer Fees	5,500	5,800	Constant	5,800	5,800	5,800	5,800
12	Utility Service Charges	23,850	24,500	Constant	24,500	24,500	24,500	24,500
13	Sewer Payment Plans [2]	0	0	Constant	0	0	0	0
14	Reclaimed Water Revenue	83,000	110,375	Calculated	110,375	110,375	110,375	110,375
15	Recovered Bad Debt	150	500	Eliminate	0	0	0	0
16	Other Miscellaneous Revenues	600	3,250	Constant	3,250	3,250	3,250	3,250
17	Totals	$113,100	$144,425		$143,925	$143,925	$143,925	$143,925

Table 5
City of Stuart
Water and Wastewater Rate Study

Allocation of Other Revenues and Transfers to Individual Systems

Line No.	Description	Budget [1] 2017	Adjustments	Adjusted 2017	Budget [1] 2018	Adjustments	Adjusted 2018	Basis	Allocation Percentages Water System	Allocation Percentages Wastewater System
	Other Operating Revenues									
1	Special Assessments	$0	$0	$0	$8,000	$0	$8,000	Direct-W	100.00%	0.00%
2	Donations from Public	35,000	0	35,000	16,000	0	16,000	Equal	50.00%	50.00%
3	Disposition of Assets / Sale of Scrap	4,500	0	4,500	14,600	0	14,600	Equal	50.00%	50.00%
4	Transfer from Other City Funds	0	0	0	0	0	0	Equal	50.00%	50.00%
5	Totals	$39,500	$0	$39,500	$38,600	$0	$38,600			

Footnotes:
[1] Based on budgeted figures as provided by the City.

Table 5
City of Stuart
Water and Wastewater Rate Study

Projected Other Revenues and Transfers

Line No.	Description	Budgeted 2017	Budgeted 2018	Escalation Reference	Fiscal Year Ending September 30, 2019	2020	2021	2022
	Water System							
	Other Operating Revenues							
1	Special Assessments	$0	$8,000	Constant	$8,000	$8,000	$8,000	$8,000
2	Donations from Public	17,500	8,000	Constant	8,000	8,000	8,000	8,000
3	Disposition of Assets / Sale of Scrap	2,250	7,300	Eliminate	0	0	0	0
4	Transfer from Other City Funds	0	0	Constant	0	0	0	0
5	Totals	$19,750	$23,300		$16,000	$16,000	$16,000	$16,000
	Wastewater System							
	Other Operating Revenues							
6	Special Assessments	$0	$0	Constant	$0	$0	$0	$0
7	Donations from Public	17,500	8,000	Constant	8,000	8,000	8,000	8,000
8	Disposition of Assets / Sale of Scrap	2,250	7,300	Eliminate	0	0	0	0
9	Transfer from Other City Funds	0	0	Constant	0	0	0	0
10	Totals	$19,750	$15,300		$8,000	$8,000	$8,000	$8,000

Table 6
City of Stuart
Water and Wastewater Rate Study

Adopted Fiscal Year 2017 Budget and Allocation of Operating Expenses to Individual Systems

Line No.	Description	Codes	Budget 2017 [1]	Adjustments	Adjusted 2017	Basis	Allocation Percentages [2] Water	Allocation Percentages [2] Wastewater	Adjusted 2017 Water	Adjusted 2017 Wastewater
	Water Plant (1610)									
	Personnel Costs									
1	Salaries - Regular	512	$471,413	$0	$471,413	Direct-W	100.0%	0.0%	$471,413	$0
2	Salaries - Overtime	514	31,000	0	31,000	Direct-W	100.0%	0.0%	31,000	0
3	Salaries - Part-time		0	0	0	Direct-W	100.0%	0.0%	0	0
4	Salaries - Longevity		0	0	0	Direct-W	100.0%	0.0%	0	0
5	Salaries - Special Pay	515	4,200	0	4,200	Direct-W	100.0%	0.0%	4,200	0
6	FICA Taxes	521	38,756	0	38,756	Direct-W	100.0%	0.0%	38,756	0
7	Retirement Contribution	522	35,766	0	35,766	Direct-W	100.0%	0.0%	35,766	0
8	Insurance - Life & Health	523	99,989	0	99,989	Direct-W	100.0%	0.0%	99,989	0
9	Workers Compensation	524	15,277	0	15,277	Direct-W	100.0%	0.0%	15,277	0
10	Unemployment Compensation		0	0	0	Direct-W	100.0%	0.0%	0	0
11	Total Personnel Costs		$696,401	$0	$696,401				$696,401	$0
	Operating Services									
12	Professional Services	531	$305,296	$0	$305,296	Direct-W	100.0%	0.0%	$305,296	$0
13	Other Contractual Services	534	218,250	0	218,250	Direct-W	100.0%	0.0%	218,250	0
14	Travel and Per Diem	540	2,500	0	2,500	Direct-W	100.0%	0.0%	2,500	0
15	Communications / Freight	541&542	6,468	0	6,468	Direct-W	100.0%	0.0%	6,468	0
16	Utility Services	543	238,000	0	238,000	Direct-W	100.0%	0.0%	238,000	0
17	Rentals and Leases	544	28,500	0	28,500	Direct-W	100.0%	0.0%	28,500	0
18	Insurance	545	17,559	0	17,559	Direct-W	100.0%	0.0%	17,559	0
19	Repair and Maintenance	546	585,000	0	585,000	Direct-W	100.0%	0.0%	585,000	0
20	Printing and Binding	547	7,220	0	7,220	Direct-W	100.0%	0.0%	7,220	0
21	Other Current Charges	549	27,471	0	27,471	Direct-W	100.0%	0.0%	27,471	0
22	Office Supplies	551	2,095	0	2,095	Direct-W	100.0%	0.0%	2,095	0
23	Operating Supplies	552	312,901	0	312,901	Direct-W	100.0%	0.0%	312,901	0
24	Publications / Memberships / Training	554&555	3,865	0	3,865	Direct-W	100.0%	0.0%	3,865	0
25	Promotional Activities	548	6,900	0	6,900	Direct-W	100.0%	0.0%	6,900	0
26	Total Operating Services		$1,762,025	$0	$1,762,025				$1,762,025	$0
	Capital Outlay									
27	Buildings	562	$0	$0 [3]	$0	Direct-W	100.0%	0.0%	$0	$0
28	Infrastructure	563	276,189	(276,189) [3]	0	Direct-W	100.0%	0.0%	0	0
29	Machinery & Equipment	564	55,500	(55,500) [3]	0	Direct-W	100.0%	0.0%	0	0
30	Total Capital Outlay		$331,689	($331,689)	$0				$0	$0
31	**Total Water Plant**		$2,790,115	($331,689)	$2,458,426				$2,458,426	$0

Table 6
City of Stuart
Water and Wastewater Rate Study

Adopted Fiscal Year 2017 Budget and Allocation of Operating Expenses to Individual Systems

Line No.	Description	Codes	Budget 2017 [1]	Adjustments	Adjusted 2017	Basis	Allocation Percentages [2] Water	Allocation Percentages [2] Wastewater	Adjusted 2017 Water	Adjusted 2017 Wastewater
	Wastewater Plant (1620)									
	Personnel Costs									
32	Salaries - Regular	512	$488,918	$0	$488,918	Direct-S	0.0%	100.0%	$0	$488,918
33	Salaries - Overtime	514	23,500	0	23,500	Direct-S	0.0%	100.0%	0	23,500
34	Salaries - Part-time		0	0	0	Direct-S	0.0%	100.0%	0	0
35	Salaries - Longevity		0	0	0	Direct-S	0.0%	100.0%	0	0
36	Salaries - Special Pay	515	5,160	0	5,160	Direct-S	0.0%	100.0%	0	5,160
37	FICA Taxes	521	39,595	0	39,595	Direct-S	0.0%	100.0%	0	39,595
38	Retirement Contribution	522	36,925	0	36,925	Direct-S	0.0%	100.0%	0	36,925
39	Insurance - Life & Health	523	115,705	0	115,705	Direct-S	0.0%	100.0%	0	115,705
40	Workers Compensation	524	13,151	0	13,151	Direct-S	0.0%	100.0%	0	13,151
41	Unemployment Compensation		0	0	0	Direct-S	0.0%	100.0%	0	0
42	Total Personnel Costs		$722,954	$0	$722,954				$0	$722,954
	Operating Services									
43	Professional Services	531	$36,959	$0	$36,959	Direct-S	0.0%	100.0%	$0	$36,959
44	Other Contractual Services	534	152,475	0	152,475	Direct-S	0.0%	100.0%	0	152,475
45	Travel and Per Diem	540	600	0	600	Direct-S	0.0%	100.0%	0	600
46	Communications / Freight	541&542	8,649	0	8,649	Direct-S	0.0%	100.0%	0	8,649
47	Utility Services	543	430,000	0	430,000	Direct-S	0.0%	100.0%	0	430,000
48	Rentals and Leases	544	52,000	0	52,000	Direct-S	0.0%	100.0%	0	52,000
49	Insurance	545	21,572	0	21,572	Direct-S	0.0%	100.0%	0	21,572
50	Repair and Maintenance	546	221,000	0	221,000	Direct-S	0.0%	100.0%	0	221,000
51	Printing and Binding	547	1,000	0	1,000	Direct-S	0.0%	100.0%	0	1,000
52	Other Current Charges	549	13,828	0	13,828	Direct-S	0.0%	100.0%	0	13,828
53	Office Supplies	551	1,500	0	1,500	Direct-S	0.0%	100.0%	0	1,500
54	Operating Supplies	552	101,382	0	101,382	Direct-S	0.0%	100.0%	0	101,382
55	Publications / Memberships / Training	554&555	1,200	0	1,200	Direct-S	0.0%	100.0%	0	1,200
56	Promotional Activities	548	2,000	0	2,000	Direct-S	0.0%	100.0%	0	2,000
57	Total Operating Services		$1,044,165	$0	$1,044,165				$0	$1,044,165
	Capital Outlay									
58	Buildings	562	$38,343	($38,343) [3]	$0	Direct-S	0.0%	100.0%	$0	$0
59	Infrastructure	563	39,000	(39,000) [3]	0	Direct-S	0.0%	100.0%	0	0
60	Machinery & Equipment	564	17,848	(17,848) [3]	0	Direct-S	0.0%	100.0%	0	0
61	Total Capital Outlay		$95,191	($95,191)	$0				$0	$0
62	**Total Wastewater Plant**		$1,862,309	($95,191)	$1,767,119				$0	$1,767,119

Table 6
City of Stuart
Water and Wastewater Rate Study

Adopted Fiscal Year 2017 Budget and Allocation of Operating Expenses to Individual Systems

Line No.	Description	Codes	Budget 2017 [1]	Adjustments	Adjusted 2017	Basis	Allocation Percentages [2] Water	Allocation Percentages [2] Wastewater	Adjusted 2017 Water	Adjusted 2017 Wastewater
	Distribution and Collection (1630)									
	Personnel Costs									
63	Salaries - Regular	512	$419,485	$0	$419,485	Lines	63.8%	36.2%	$267,631	$151,854
64	Salaries - Overtime	514	24,000	0	24,000	Lines	63.8%	36.2%	15,312	8,688
65	Salaries - Part-time		0	0	0	Lines	63.8%	36.2%	0	0
66	Salaries - Longevity		0	0	0	Lines	63.8%	36.2%	0	0
67	Salaries - Special Pay	515	3,300	0	3,300	Lines	63.8%	36.2%	2,105	1,195
68	FICA Taxes	521	34,179	0	34,179	Lines	63.8%	36.2%	21,806	12,373
69	Retirement Contribution	522	31,681	0	31,681	Lines	63.8%	36.2%	20,212	11,469
70	Insurance - Life & Health	523	101,376	0	101,376	Lines	63.8%	36.2%	64,678	36,698
71	Workers Compensation	524	14,700	0	14,700	Lines	63.8%	36.2%	9,379	5,321
72	Unemployment Compensation		0	0	0	Lines	63.8%	36.2%	0	0
73	Total Personnel Costs		$628,721	$0	$628,721				$401,124	$227,597
	Operating Services									
74	Professional Services	531	$39,950	$0	$39,950	Lines	63.8%	36.2%	$25,488	$14,462
75	Other Contractual Services	534	155,765	0	155,765	Lines	63.8%	36.2%	99,378	56,387
76	Travel and Per Diem	540	250	0	250	Lines	63.8%	36.2%	160	91
77	Communications / Freight	541&542	6,393	0	6,393	Lines	63.8%	36.2%	4,079	2,314
78	Utility Services	543	8,781	0	8,781	Lines	63.8%	36.2%	5,602	3,179
79	Rentals and Leases	544	500	0	500	Lines	63.8%	36.2%	319	181
80	Insurance	545	31,774	0	31,774	Lines	63.8%	36.2%	20,272	11,502
81	Repair and Maintenance	546	185,962	0	185,962	Lines	63.8%	36.2%	118,644	67,318
82	Printing and Binding	547	500	0	500	Lines	63.8%	36.2%	319	181
83	Other Current Charges	549	700	0	700	Lines	63.8%	36.2%	447	253
84	Office Supplies	551	250	0	250	Lines	63.8%	36.2%	160	91
85	Operating Supplies	552	46,816	0	46,816	Lines	63.8%	36.2%	29,869	16,947
86	Road Materials / Supplies	553	2,575	0	2,575	Lines	63.8%	36.2%	1,643	932
87	Publications / Memberships / Training	554&555	2,010	0	2,010	Lines	63.8%	36.2%	1,282	728
88	Promotional Activities	548	1,600	0	1,600	Lines	63.8%	36.2%	1,021	579
89	Total Operating Services		$483,826	$0	$483,826				$308,681	$175,145
	Capital Outlay									
90	Buildings	562	$0	$0 [3]	$0	Lines	63.8%	36.2%	$0	$0
91	Infrastructure	563	4,241,121	(4,241,121) [3]	0	Input	0.0%	100.0%	0	0
92	Machinery & Equipment	564	30,000	(30,000) [3]	0	Lines	63.8%	36.2%	0	0
93	Total Capital Outlay		$4,271,121	($4,271,121)	$0				$0	$0
94	**Total Distribution and Collection**		$5,383,668	($4,271,121)	$1,112,547				$709,805	$402,742

Table 6
City of Stuart
Water and Wastewater Rate Study

Adopted Fiscal Year 2017 Budget and Allocation of Operating Expenses to Individual Systems

Line No.	Description	Codes	Budget 2017 [1]	Adjustments	Adjusted 2017	Basis	Allocation Percentages [2] Water	Allocation Percentages [2] Wastewater	Adjusted 2017 Water	Adjusted 2017 Wastewater
	Utility Customer Service (1640)									
	Personnel Costs									
95	Salaries - Regular	512	$203,376	$0	$203,376	Accounts	64.9%	35.1%	$131,949	$71,427
96	Salaries - Overtime	514	4,500	0	4,500	Accounts	64.9%	35.1%	2,920	1,580
97	Salaries - Part-time		0	0	0	Accounts	64.9%	35.1%	0	0
98	Salaries - Longevity		0	0	0	Accounts	64.9%	35.1%	0	0
99	Salaries - Special Pay	515	2,400	0	2,400	Accounts	64.9%	35.1%	1,557	843
100	FICA Taxes	521	16,086	0	16,086	Accounts	64.9%	35.1%	10,436	5,650
101	Retirement Contribution	522	15,294	0	15,294	Accounts	64.9%	35.1%	9,923	5,371
102	Insurance - Life & Health	523	41,299	0	41,299	Accounts	64.9%	35.1%	26,794	14,505
103	Workers Compensation	524	295	0	295	Accounts	64.9%	35.1%	191	104
104	Unemployment Compensation		0	0	0	Accounts	64.9%	35.1%	0	0
105	Total Personnel Costs		$283,250	$0	$283,250				$183,770	$99,480
	Operating Services									
106	Professional Services	531	$36,442	$0	$36,442	Accounts	64.9%	35.1%	$23,643	$12,799
107	Accounting and Auditing		0	0	0	Accounts	64.9%	35.1%	0	0
108	Other Contractual Services	534	37,200	0	37,200	Accounts	64.9%	35.1%	24,135	13,065
109	Travel and Per Diem	540	1,000	0	1,000	Accounts	64.9%	35.1%	649	351
110	Communications / Freight	541&542	38,987	0	38,987	Accounts	64.9%	35.1%	25,294	13,693
111	Utility Services	543	2,400	0	2,400	Accounts	64.9%	35.1%	1,557	843
112	Rentals and Leases	544	1,000	0	1,000	Accounts	64.9%	35.1%	649	351
113	Insurance	545	2,374	0	2,374	Accounts	64.9%	35.1%	1,540	834
114	Repair and Maintenance	546	530	0	530	Accounts	64.9%	35.1%	344	186
115	Printing and Binding	547	9,500	0	9,500	Accounts	64.9%	35.1%	6,164	3,336
116	Other Current Charges	549	95,300	0	95,300	Accounts	64.9%	35.1%	61,830	33,470
117	Office Supplies	551	2,000	0	2,000	Accounts	64.9%	35.1%	1,298	702
118	Operating Supplies	552	10,250	0	10,250	Accounts	64.9%	35.1%	6,650	3,600
119	Publications / Memberships / Training	554&555	2,000	0	2,000	Accounts	64.9%	35.1%	1,298	702
120	Promotional Activities	548	600	0	600	Accounts	64.9%	35.1%	389	211
121	Total Operating Services		$239,583	$0	$239,583				$155,439	$84,144
	Capital Outlay									
122	Buildings	562	$0	$0 [3]	$0	Accounts	64.9%	35.1%	$0	$0
123	Infrastructure	563	0	0 [3]	0	Accounts	64.9%	35.1%	0	0
124	Machinery & Equipment	564	3,152	(3,152) [3]	0	Accounts	64.9%	35.1%	0	0
125	Total Capital Outlay		$3,152	($3,152)	$0				$0	$0
126	**Total Utility Customer Service**		$525,985	($3,152)	$522,833				$339,209	$183,624

Table 6
City of Stuart
Water and Wastewater Rate Study

Adopted Fiscal Year 2017 Budget and Allocation of Operating Expenses to Individual Systems

Line No.	Description	Codes	Budget 2017 [1]	Adjustments	Adjusted 2017	Basis	Allocation Percentages [2] Water	Allocation Percentages [2] Wastewater	Adjusted 2017 Water	Adjusted 2017 Wastewater
	Water and Wastewater General Government (1670)									
	Personnel Costs									
127	Salaries - Regular	512	$592,651	$0	$592,651	Salaries	55.2%	44.8%	$327,156	$265,495
128	Salaries - Overtime	514	1,000	0	1,000	Salaries	55.2%	44.8%	552	448
129	Salaries - Part-time		0	0	0	Salaries	55.2%	44.8%	0	0
130	Salaries - Longevity		0	0	0	Salaries	55.2%	44.8%	0	0
131	Salaries - Special Pay	515	5,164	0	5,164	Salaries	55.2%	44.8%	2,851	2,313
132	FICA Taxes	521	45,809	0	45,809	Salaries	55.2%	44.8%	25,288	20,521
133	Retirement Contribution	522	50,595	0	50,595	Salaries	55.2%	44.8%	27,930	22,665
134	Insurance - Life & Health	523	102,398	0	102,398	Salaries	55.2%	44.8%	56,526	45,872
135	Workers Compensation	524	4,998	0	4,998	Salaries	55.2%	44.8%	2,759	2,239
136	Unemployment Compensation		0	0	0	Salaries	55.2%	44.8%	0	0
137	Total Personnel Costs		$802,615	$0	$802,615				$443,061	$359,554
	Operating Services									
138	Professional Services	531	$113,500	$0	$113,500	Salaries	55.2%	44.8%	$62,654	$50,846
139	Other Contractual Services	534	1,000	0	1,000	Salaries	55.2%	44.8%	552	448
140	Travel and Per Diem	540	5,500	0	5,500	Salaries	55.2%	44.8%	3,036	2,464
141	Communications / Freight	541&542	4,494	0	4,494	Salaries	55.2%	44.8%	2,481	2,013
142	Utility Services	543	5,400	0	5,400	Salaries	55.2%	44.8%	2,981	2,419
143	Rentals and Leases	544	27,300	0	27,300	Salaries	55.2%	44.8%	15,070	12,230
144	Insurance	545	13,874	0	13,874	Salaries	55.2%	44.8%	7,659	6,215
145	Repair and Maintenance	546	6,365	0	6,365	Salaries	55.2%	44.8%	3,514	2,851
146	Printing and Binding	547	1,030	0	1,030	Salaries	55.2%	44.8%	569	461
147	Other Current Charges	549	0	0	0	Salaries	55.2%	44.8%	0	0
148	Office Supplies	551	4,330	0	4,330	Salaries	55.2%	44.8%	2,390	1,940
149	Operating Supplies	552	15,863	0	15,863	Salaries	55.2%	44.8%	8,757	7,106
150	Road Materials / Supplies	553	0	0	0	Salaries	55.2%	44.8%	0	0
151	Publications / Memberships / Training	554&555	7,050	0	7,050	Salaries	55.2%	44.8%	3,892	3,158
	Professional Services	548	950							
152	Total Operating Services		$206,656	$0	$205,706				$113,554	$92,152
	Capital Outlay									
153	Buildings	562	$0	$0 [3]	$0	Salaries	55.2%	44.8%	$0	$0
154	Infrastructure	563	0	0 [3]	0	Salaries	55.2%	44.8%	0	0
155	Machinery & Equipment	564	82,760	(82,760) [3]	0	Salaries	55.2%	44.8%	0	0
156	Total Capital Outlay		$82,760	($82,760)	$0				$0	$0
157	**Total Water and Wastewater General Government**		$1,092,031	($82,760)	$1,008,321				$556,615	$451,706

Table 6
City of Stuart
Water and Wastewater Rate Study

Adopted Fiscal Year 2017 Budget and Allocation of Operating Expenses to Individual Systems

Line No.	Description	Codes	Budget 2017 [1]	Adjustments	Adjusted 2017	Basis	Allocation Percentages [2] Water	Allocation Percentages [2] Wastewater	Adjusted 2017 Water	Adjusted 2017 Wastewater
	Debt Service (1660)									
158	Principal		$1,171,486	($1,171,486) [4]	$0	Salaries	55.2%	44.8%	$0	$0
159	Interest		866,562	(866,562) [4]	0	Salaries	55.2%	44.8%	0	0
160	Other Debt Service Costs		123,735	(123,735) [4]	0	Salaries	55.2%	44.8%	0	0
161	**Total Debt Service**		$2,161,783	($2,161,783)	$0				$0	$0
	Non - Departmental (1690)									
162	Transfers (Indirect Cost Allocation) - Net	557	$230,676	$0	$230,676	Salaries	55.2%	44.8%	$127,338	$103,338
163	Other Non-operating Uses - Life / Health Insurar	523	40,960	0	40,960	Salaries	55.2%	44.8%	22,611	18,349
163	Intragovernmental Transfers	591	679,169	(679,169)	0	Salaries	55.2%	44.8%	0	0
164	Transfer to Retained Earnings	595	728,925	(728,925)	0	Salaries	55.2%	44.8%	0	0
165	**Total Non - Departmental**		$1,679,730	($1,408,094)	$271,636				$149,949	$121,687
166	**Total System**		$15,495,622	($8,353,789)	$7,140,882				$4,214,004	$2,926,878

Footnotes:

[1] Based on budgeted figures for the Fiscal Year Ending September 30, 2017 as amended by the City.

[2] Allocations based on operating information obtained from the budget, historical operating records and other information provided by the City.

[3] Amounts, if any, reflect reductions in the operating budget for capital expenditures shown in Table 11.

[4] Amounts reflect reductions in the operating budget for debt service payments associated with long-term debt. Such amounts are reflected in Table 12 of this report.

Table 7
City of Stuart
Water and Wastewater Rate Study

Proposed Fiscal Year 2018 Budget and Allocation of Operating Expenses to Individual Systems

Line No.	Description	Codes	Budget 2018 [1]	Adjustments	Adjusted 2018	Basis	Allocation Percentages [2] Water	Wastewater	Adjusted 2013 Water	Wastewater
	Water Plant (1610)									
	Personnel Costs									
1	Salaries - Regular	512	$480,090	$0	$480,090	Direct-W	100.0%	0.0%	$480,090	$0
2	Salaries - Overtime	514	31,000	0	31,000	Direct-W	100.0%	0.0%	31,000	0
3	Salaries - Part-time		0	0	0	Direct-W	100.0%	0.0%	0	0
4	Salaries - Longevity		0	0	0	Direct-W	100.0%	0.0%	0	0
5	Salaries - Special Pay	515	4,500	0	4,500	Direct-W	100.0%	0.0%	4,500	0
6	FICA Taxes	521	39,443	0	39,443	Direct-W	100.0%	0.0%	39,443	0
7	Retirement Contribution	522	40,835	0	40,835	Direct-W	100.0%	0.0%	40,835	0
8	Insurance - Life & Health	523	119,748	0	119,748	Direct-W	100.0%	0.0%	119,748	0
9	Workers Compensation	524	15,506	0	15,506	Direct-W	100.0%	0.0%	15,506	0
10	Unemployment Compensation		0	0	0	Direct-W	100.0%	0.0%	0	0
11	Total Personnel Costs		$731,122	$0	$731,122				$731,122	$0
	Operating Services									
12	Professional Services	531	$57,500	$0	$57,500	Direct-W	100.0%	0.0%	$57,500	$0
13	Other Contractual Services	534	207,450	0	207,450	Direct-W	100.0%	0.0%	207,450	0
14	Travel and Per Diem	540	4,500	0	4,500	Direct-W	100.0%	0.0%	4,500	0
15	Communications / Freight	541&542	6,900	0	6,900	Direct-W	100.0%	0.0%	6,900	0
16	Utility Services	543	226,000	0	226,000	Direct-W	100.0%	0.0%	226,000	0
17	Rentals and Leases	544	28,750	0	28,750	Direct-W	100.0%	0.0%	28,750	0
18	Insurance	545	17,211	0	17,211	Direct-W	100.0%	0.0%	17,211	0
19	Repair and Maintenance	546	372,000	0	372,000	Direct-W	100.0%	0.0%	372,000	0
20	Printing and Binding	547	7,900	0	7,900	Direct-W	100.0%	0.0%	7,900	0
21	Other Current Charges	549	24,750	0	24,750	Direct-W	100.0%	0.0%	24,750	0
22	Office Supplies	551	1,500	0	1,500	Direct-W	100.0%	0.0%	1,500	0
23	Operating Supplies	552	413,833	0	413,833	Direct-W	100.0%	0.0%	413,833	0
24	Publications / Memberships / Training	554&555	8,765	0	8,765	Direct-W	100.0%	0.0%	8,765	0
25	Promotional Activities	548	11,900	0	11,900	Direct-W	100.0%	0.0%	11,900	0
26	Total Operating Services		$1,388,959	$0	$1,388,959				$1,388,959	$0
	Capital Outlay									
27	Buildings	562	$0	$0 [3]	$0	Direct-W	100.0%	0.0%	$0	$0
28	Infrastructure	563	3,100,000	(3,100,000) [3]	0	Direct-W	100.0%	0.0%	0	0
29	Machinery & Equipment	564	51,000	(51,000) [3]	0	Direct-W	100.0%	0.0%	0	0
30	Total Capital Outlay		$3,151,000	($3,151,000)	$0				$0	$0
31	**Total Water Plant**		$5,271,081	($3,151,000)	$2,120,081				$2,120,081	$0

Proposed Fiscal Year 2018 Budget and Allocation of Operating Expenses to Individual Systems

Line No.	Description	Codes	Budget 2018 [1]	Adjustments	Adjusted 2018	Basis	Allocation Percentages [2] Water	Allocation Percentages [2] Wastewater	Adjusted 2013 Water	Adjusted 2013 Wastewater
	Wastewater Plant (1620)									
	Personnel Costs									
32	Salaries - Regular	512	$497,476	$0	$497,476	Direct-S	0.0%	100.0%	$0	$497,476
33	Salaries - Overtime	514	24,000	0	24,000	Direct-S	0.0%	100.0%	0	24,000
34	Salaries - Part-time		0	0	0	Direct-S	0.0%	100.0%	0	0
35	Salaries - Longevity		0	0	0	Direct-S	0.0%	100.0%	0	0
36	Salaries - Special Pay	515	5,760	0	5,760	Direct-S	0.0%	100.0%	0	5,760
37	FICA Taxes	521	40,334	0	40,334	Direct-S	0.0%	100.0%	0	40,334
38	Retirement Contribution	522	41,515	0	41,515	Direct-S	0.0%	100.0%	0	41,515
39	Insurance - Life & Health	523	128,868	0	128,868	Direct-S	0.0%	100.0%	0	128,868
40	Workers Compensation	524	13,349	0	13,349	Direct-S	0.0%	100.0%	0	13,349
41	Unemployment Compensation		0	0	0	Direct-S	0.0%	100.0%	0	0
42	Total Personnel Costs		$751,302	$0	$751,302				$0	$751,302
	Operating Services									
43	Professional Services	531	$35,000	$0	$35,000	Direct-S	0.0%	100.0%	$0	$35,000
44	Other Contractual Services	534	171,975	0	171,975	Direct-S	0.0%	100.0%	0	171,975
45	Travel and Per Diem	540	2,800	0	2,800	Direct-S	0.0%	100.0%	0	2,800
46	Communications / Freight	541&542	13,870	0	13,870	Direct-S	0.0%	100.0%	0	13,870
47	Utility Services	543	454,400	0	454,400	Direct-S	0.0%	100.0%	0	454,400
48	Rentals and Leases	544	56,000	0	56,000	Direct-S	0.0%	100.0%	0	56,000
49	Insurance	545	21,433	0	21,433	Direct-S	0.0%	100.0%	0	21,433
50	Repair and Maintenance	546	369,000	0	369,000	Direct-S	0.0%	100.0%	0	369,000
51	Printing and Binding	547	1,000	0	1,000	Direct-S	0.0%	100.0%	0	1,000
52	Other Current Charges	549	7,500	0	7,500	Direct-S	0.0%	100.0%	0	7,500
53	Office Supplies	551	1,000	0	1,000	Direct-S	0.0%	100.0%	0	1,000
54	Operating Supplies	552	111,005	0	111,005	Direct-S	0.0%	100.0%	0	111,005
55	Publications / Memberships / Training	554	4,500	0	4,500	Direct-S	0.0%	100.0%	0	4,500
56	Promotional Activities	548	2,000	0	2,000	Direct-S	0.0%	100.0%	0	2,000
57	Total Operating Services		$1,251,483	$0	$1,251,483				$0	$1,251,483
	Capital Outlay									
58	Buildings	562	$500,000	($500,000) [3]	$0	Direct-S	0.0%	100.0%	$0	$0
59	Infrastructure	563	0	0 [3]	0	Direct-S	0.0%	100.0%	0	0
60	Machinery & Equipment	564	95,500	(95,500) [3]	0	Direct-S	0.0%	100.0%	0	0
61	Total Capital Outlay		$595,500	($595,500)	$0				$0	$0
62	**Total Wastewater Plant**		$2,598,285	($595,500)	$2,002,785				$0	$2,002,785

Table 7
City of Stuart
Water and Wastewater Rate Study

Proposed Fiscal Year 2018 Budget and Allocation of Operating Expenses to Individual Systems

Line No.	Description	Codes	Budget 2018 [1]	Adjustments	Adjusted 2018	Basis	Allocation Percentages [2] Water	Allocation Percentages [2] Wastewater	Adjusted 2013 Water	Adjusted 2013 Wastewater
	Distribution and Collection (1630)									
	Personnel Costs									
63	Salaries - Regular	512	$429,172	$0	$429,172	Lines	63.8%	36.2%	$273,812	$155,360
64	Salaries - Overtime	514	26,700	0	26,700	Lines	63.8%	36.2%	17,035	9,665
65	Salaries - Part-time		0	0	0	Lines	63.8%	36.2%	0	0
66	Salaries - Longevity		0	0	0	Lines	63.8%	36.2%	0	0
67	Salaries - Special Pay	515	6,900	0	6,900	Lines	63.8%	36.2%	4,402	2,498
68	FICA Taxes	521	35,402	0	35,402	Lines	63.8%	36.2%	22,586	12,816
69	Retirement Contribution	522	36,485	0	36,485	Lines	63.8%	36.2%	23,277	13,208
70	Insurance - Life & Health	523	117,524	0	117,524	Lines	63.8%	36.2%	74,980	42,544
71	Workers Compensation	524	14,921	0	14,921	Lines	63.8%	36.2%	9,520	5,401
72	Unemployment Compensation		0	0	0	Lines	63.8%	36.2%	0	0
73	Total Personnel Costs		$667,104	$0	$667,104				$425,612	$241,492
	Operating Services									
74	Professional Services	531	$20,000	$0	$20,000	Lines	63.8%	36.2%	$12,760	$7,240
75	Other Contractual Services	534	110,900	0	110,900	Lines	63.8%	36.2%	70,754	40,146
76	Travel and Per Diem	540	300	0	300	Lines	63.8%	36.2%	191	109
77	Communications / Freight	541&542	6,420	0	6,420	Lines	63.8%	36.2%	4,096	2,324
78	Utility Services	543	10,440	0	10,440	Lines	63.8%	36.2%	6,661	3,779
79	Rentals and Leases	544	500	0	500	Lines	63.8%	36.2%	319	181
80	Insurance	545	32,251	0	32,251	Lines	63.8%	36.2%	20,576	11,675
81	Repair and Maintenance	546	186,000	0	186,000	Lines	63.8%	36.2%	118,668	67,332
82	Printing and Binding	547	500	0	500	Lines	63.8%	36.2%	319	181
83	Other Current Charges	549	1,000	0	1,000	Lines	63.8%	36.2%	638	362
84	Office Supplies	551	700	0	700	Lines	63.8%	36.2%	447	253
85	Operating Supplies	552	46,300	0	46,300	Lines	63.8%	36.2%	29,539	16,761
86	Road Materials / Supplies	553	2,575	0	2,575	Lines	63.8%	36.2%	1,643	932
87	Publications / Memberships / Training	554	3,690	0	3,690	Lines	63.8%	36.2%	2,354	1,336
88	Promotional Activities	548	1,600	0	1,600	Lines	63.8%	36.2%	1,021	579
89	Total Operating Services		$423,176	$0	$423,176				$269,986	$153,190
	Capital Outlay									
90	Buildings	562	$0	$0 [3]	$0	Lines	63.8%	36.2%	$0	$0
91	Infrastructure	563	2,884,500	(2,884,500) [3]	0	Input	4.3%	95.7%	0	0
92	Machinery & Equipment	564	179,000	(179,000) [3]	0	Lines	63.8%	36.2%	0	0
93	Total Capital Outlay		$3,063,500	($3,063,500)	$0				$0	$0
94	**Total Distribution and Collection**		$4,153,780	($3,063,500)	$1,090,280				$695,599	$394,681

Proposed Fiscal Year 2018 Budget and Allocation of Operating Expenses to Individual Systems

Line No.	Description	Codes	Budget 2018 [1]	Adjustments	Adjusted 2018	Basis	Allocation Percentages [2] Water	Allocation Percentages [2] Wastewater	Adjusted 2013 Water	Adjusted 2013 Wastewater
	Utility Customer Service (1640)									
	Personnel Costs									
95	Salaries - Regular	512	$207,748	$0	$207,748	Accounts	64.9%	35.1%	$134,785	$72,963
96	Salaries - Overtime	514	7,500	0	7,500	Accounts	64.9%	35.1%	4,866	2,634
97	Salaries - Part-time		0	0	0	Accounts	64.9%	35.1%	0	0
98	Salaries - Longevity		0	0	0	Accounts	64.9%	35.1%	0	0
99	Salaries - Special Pay	515	3,720	0	3,720	Accounts	64.9%	35.1%	2,414	1,306
100	FICA Taxes	521	16,751	0	16,751	Accounts	64.9%	35.1%	10,868	5,883
101	Retirement Contribution	522	17,048	0	17,048	Accounts	64.9%	35.1%	11,061	5,987
102	Insurance - Life & Health	523	52,789	0	52,789	Accounts	64.9%	35.1%	34,249	18,540
103	Workers Compensation	524	299	0	299	Accounts	64.9%	35.1%	194	105
104	Unemployment Compensation		0	0	0	Accounts	64.9%	35.1%	0	0
105	Total Personnel Costs		$305,855	$0	$305,855				$198,436	$107,419
	Operating Services									
106	Professional Services	531	$4,500	$0	$4,500	Accounts	64.9%	35.1%	$2,920	$1,580
107	Accounting and Auditing		0	0	0	Accounts	64.9%	35.1%	0	0
108	Other Contractual Services	534	23,275	0	23,275	Accounts	64.9%	35.1%	15,101	8,174
109	Travel and Per Diem	540	3,600	0	3,600	Accounts	64.9%	35.1%	2,336	1,264
110	Communications / Freight	541&542	42,040	0	42,040	Accounts	64.9%	35.1%	27,275	14,765
111	Utility Services	543	1,500	0	1,500	Accounts	64.9%	35.1%	973	527
112	Rentals and Leases	544	1,000	0	1,000	Accounts	64.9%	35.1%	649	351
113	Insurance	545	2,410	0	2,410	Accounts	64.9%	35.1%	1,564	846
114	Repair and Maintenance	546	1,250	0	1,250	Accounts	64.9%	35.1%	811	439
115	Printing and Binding	547	12,000	0	12,000	Accounts	64.9%	35.1%	7,785	4,215
116	Other Current Charges	549	95,300	0	95,300	Accounts	64.9%	35.1%	61,830	33,470
117	Office Supplies	551	12,700	0	12,700	Accounts	64.9%	35.1%	8,240	4,460
118	Operating Supplies	552	11,250	0	11,250	Accounts	64.9%	35.1%	7,299	3,951
119	Publications / Memberships / Training	554/555	4,724	0	4,724	Accounts	64.9%	35.1%	3,065	1,659
120	Promotional Activities	548	2,200	0	2,200	Accounts	64.9%	35.1%	1,427	773
121	Total Operating Services		$217,749	$0	$217,749				$141,274	$76,475
	Capital Outlay									
122	Buildings	562	$0	$0 [3]	$0	Accounts	64.9%	35.1%	$0	$0
123	Infrastructure	563	0	0 [3]	0	Accounts	64.9%	35.1%	0	0
124	Machinery & Equipment	564	21,000	(21,000) [3]	0	Accounts	64.9%	35.1%	0	0
125	Total Capital Outlay		$21,000	($21,000)	$0				$0	$0
126	**Total Utility Customer Service**		$544,604	($21,000)	$523,604				$339,710	$183,894

Table 7
City of Stuart
Water and Wastewater Rate Study

Proposed Fiscal Year 2018 Budget and Allocation of Operating Expenses to Individual Systems

Line No.	Description	Codes	Budget 2018 [1]	Adjustments	Adjusted 2018	Basis	Allocation Percentages [2] Water	Allocation Percentages [2] Wastewater	Adjusted 2013 Water	Adjusted 2013 Wastewater
	Water and Wastewater General Government (1670)									
	Personnel Costs									
127	Salaries - Regular	512	$600,631	$0	$600,631	Salaries	55.2%	44.8%	$331,561	$269,070
128	Salaries - Overtime	514	4,000	0	4,000	Salaries	55.2%	44.8%	2,208	1,792
129	Salaries - Part-time		0	0	0	Salaries	55.2%	44.8%	0	0
130	Salaries - Longevity		0	0	0	Salaries	55.2%	44.8%	0	0
131	Salaries - Special Pay	515	6,184	0	6,184	Salaries	55.2%	44.8%	3,414	2,770
132	FICA Taxes	521	46,599	0	46,599	Salaries	55.2%	44.8%	25,724	20,875
133	Retirement Contribution	522	54,161	0	54,161	Salaries	55.2%	44.8%	29,898	24,263
134	Insurance - Life & Health	523	105,020	0	105,020	Salaries	55.2%	44.8%	57,973	47,047
135	Workers Compensation	524	5,073	0	5,073	Salaries	55.2%	44.8%	2,800	2,273
136	Unemployment Compensation		0	0	0	Salaries	55.2%	44.8%	0	0
137	Total Personnel Costs		$821,668	$0	$821,668				$453,578	$368,090
	Operating Services									
138	Professional Services	531	$50,000	$0	$50,000	Salaries	55.2%	44.8%	$27,601	$22,399
139	Other Contractual Services	534	15,520	0	15,520	Salaries	55.2%	44.8%	8,567	6,953
140	Travel and Per Diem	540	10,500	0	10,500	Salaries	55.2%	44.8%	5,796	4,704
141	Communications / Freight	541&542	4,140	0	4,140	Salaries	55.2%	44.8%	2,285	1,855
142	Utility Services	543	5,800	0	5,800	Salaries	55.2%	44.8%	3,202	2,598
143	Rentals and Leases	544	29,300	0	29,300	Salaries	55.2%	44.8%	16,174	13,126
144	Insurance	545	14,098	0	14,098	Salaries	55.2%	44.8%	7,782	6,316
145	Repair and Maintenance	546	7,500	0	7,500	Salaries	55.2%	44.8%	4,140	3,360
146	Printing and Binding	547	1,000	0	1,000	Salaries	55.2%	44.8%	552	448
147	Other Current Charges	549	4,000	0	4,000	Salaries	55.2%	44.8%	2,208	1,792
148	Office Supplies	551	4,100	0	4,100	Salaries	55.2%	44.8%	2,263	1,837
149	Operating Supplies	552	16,650	0	16,650	Salaries	55.2%	44.8%	9,191	7,459
150	Promotional Materials	548	950	0	950	Salaries	55.2%	44.8%	524	426
151	Publications / Memberships / Training	554	7,950	0	7,950	Salaries	55.2%	44.8%	4,389	3,561
152	Total Operating Services		$171,508	$0	$171,508				$94,676	$76,832
	Capital Outlay									
153	Buildings	562	$0	$0 [3]	$0	Salaries	55.2%	44.8%	$0	$0
154	Infrastructure	563	0	0 [3]	0	Salaries	55.2%	44.8%	0	0
155	Machinery & Equipment	564	10,000	(10,000) [3]	0	Salaries	55.2%	44.8%	0	0
156	Total Capital Outlay		$10,000	($10,000)	$0				$0	$0
157	**Total Water and Wastewater General Government**		$1,003,176	($10,000)	$993,176				$548,254	$444,922

Table 7
City of Stuart
Water and Wastewater Rate Study

Proposed Fiscal Year 2018 Budget and Allocation of Operating Expenses to Individual Systems

Line No.	Description	Codes	Budget 2018 [1]	Adjustments	Adjusted 2018	Basis	Allocation Percentages [2] Water	Allocation Percentages [2] Wastewater	Adjusted 2013 Water	Adjusted 2013 Wastewater
	Debt Service (1660)									
158	Principal		$1,206,563	($1,206,563) [4]	$0	Salaries	55.2%	44.8%	$0	$0
159	Interest		813,329	(813,329) [4]	0	Salaries	55.2%	44.8%	0	0
160	Other Debt Service Costs		122,916	(122,916) [4]	0	Salaries	55.2%	44.8%	0	0
161	**Total Debt Service**		$2,142,808	($2,142,808)	$0				$0	$0
	Non - Departmental (1690)									
162	Transfers (Indirect Cost Allocation) - Net		$247,699	$0	$247,699	Salaries	55.2%	44.8%	$136,735	$110,964
163	Other Non-operating Uses - Life / Health Insurance & Other		12,272	0	12,272	Salaries	55.2%	44.8%	6,774	5,498
164	Intragovernmental Transfers		679,169	(679,169)	0	Salaries	55.2%	44.8%	0	0
165	Transfer to Retained Earnings		0	0	0	Salaries	55.2%	44.8%	0	0
166	**Total Non - Departmental**		$939,140	($679,169)	$259,971				$143,510	$116,461
167	**Total System**		$16,652,874	($9,662,977)	$6,989,897				$3,847,153	$3,142,744

Footnotes:

[1] Based on budgeted figures for the Fiscal Year Ending September 30, 2018 provided on July 10, 2017.

[2] Allocations based on operating information obtained from the budget, historical operating records and other information provided by the City.

[3] Amounts, if any, reflect reductions in the operating budget for capital expenditures shown in Table 11.

[4] Amounts reflect reductions in the operating budget for debt service payments associated with long-term debt. Such amounts are reflected in Table 12 of this report.

Table 8
City of Stuart
Water and Wastewater Rate Study

Projected Water Operating Expenses

Line No.	Description	Budget [1] 2017	Budget [2] 2018	Escalation Reference	Projected Fiscal Year Ending September 30, 2019	2020	2021	2022
	Water Plant							
	Personnel Costs							
1	Salaries - Regular	$471,413	$480,090	Labor	$489,692	$499,486	$509,475	$519,665
2	Salaries - Overtime	31,000	31,000	Labor	31,620	32,252	32,897	33,555
3	Salaries - Part-time	0	0	Labor	0	0	0	0
4	Salaries - Longevity	0	0	Labor	0	0	0	0
5	Salaries - Special Pay	4,200	4,500	Labor	4,590	4,682	4,775	4,871
6	FICA Taxes	38,756	39,443	Labor	40,232	41,036	41,857	42,694
7	Retirement Contribution	35,766	40,835	Labor	41,652	42,485	43,334	44,201
8	Insurance - Life & Health	99,989	119,748	Ins-Health	126,933	134,549	142,622	151,179
9	Workers Compensation	15,277	15,506	Worker Comp	15,971	16,450	16,944	17,452
10	Unemployment Compensation	0	0	Labor	0	0	0	0
11	Total Personnel Costs	$696,401	$731,122		$750,689	$770,940	$791,905	$813,618
	Operating Services							
12	Professional Services	$305,296	$57,500	Inflation	$58,823	$60,234	$61,680	$63,160
13	Other Contractual Services	218,250	207,450	Inflation	212,221	217,315	222,530	227,871
14	Travel and Per Diem	2,500	4,500	Inflation	4,604	4,714	4,827	4,943
15	Communications / Freight	6,468	6,900	Inflation	7,059	7,228	7,402	7,579
16	Utility Services	238,000	226,000	Utility-W	237,415	249,406	262,003	275,237
17	Rentals and Leases	28,500	28,750	Inflation	29,411	30,117	30,840	31,580
18	Insurance	17,559	17,211	Ins-Property	17,727	18,259	18,807	19,371
19	Repair and Maintenance	585,000	372,000	Repair	383,160	394,655	406,494	418,689
20	Printing and Binding	7,220	7,900	Inflation	8,082	8,276	8,474	8,678
21	Other Current Charges	27,471	24,750	Inflation	25,319	25,927	26,549	27,186
22	Office Supplies	2,095	1,500	Inflation	1,535	1,571	1,609	1,648
23	Operating Supplies	312,901	413,833	Water Flow	423,556	433,932	444,561	455,451
24	Publications / Memberships / Training	3,865	8,765	Inflation	8,967	9,182	9,402	9,628
25	Promotional Activities	6,900	11,900	Inflation	12,174	12,466	12,765	13,071
26	Total Operating Services	$1,762,025	$1,388,959		$1,430,052	$1,473,282	$1,517,944	$1,564,092
27	**Total Water Plant**	$2,458,426	$2,120,081		$2,180,741	$2,244,222	$2,309,850	$2,377,710
	Distribution and Collection							
	Personnel Costs							
28	Salaries - Regular	$267,631	$273,812	Labor	$279,288	$284,874	$290,571	$296,383
29	Salaries - Overtime	15,312	17,035	Labor	17,375	17,723	18,077	18,439
30	Salaries - Part-time	0	0	Labor	0	0	0	0
31	Salaries - Longevity	0	0	Labor	0	0	0	0
32	Salaries - Special Pay	2,105	4,402	Labor	4,490	4,580	4,672	4,765
33	FICA Taxes	21,806	22,586	Labor	23,038	23,499	23,969	24,448
34	Retirement Contribution	20,212	23,277	Labor	23,743	24,218	24,702	25,196
35	Insurance - Life & Health	64,678	74,980	Ins-Health	79,479	84,248	89,303	94,661
36	Workers Compensation	9,379	9,520	Worker Comp	9,805	10,099	10,402	10,714
37	Unemployment Compensation	0	0	Labor	0	0	0	0
38	Total Personnel Costs	$401,124	$425,612		$437,219	$449,241	$461,696	$474,606
	Operating Services							
39	Professional Services	$25,488	$12,760	Inflation	$13,053	$13,367	$13,688	$14,016
40	Other Contractual Services	99,378	70,754	Inflation	72,382	74,119	75,898	77,719
41	Travel and Per Diem	160	191	Inflation	196	201	205	210
42	Communications / Freight	4,079	4,096	Inflation	4,190	4,291	4,394	4,499
43	Utility Services	5,602	6,661	Utility-W	6,997	7,351	7,722	8,112
44	Rentals and Leases	319	319	Inflation	326	334	342	350
45	Insurance	20,272	20,576	Ins-Property	21,193	21,829	22,484	23,159
46	Repair and Maintenance	118,644	118,668	Repair	122,228	125,895	129,672	133,562
47	Printing and Binding	319	319	Inflation	326	334	342	350
48	Other Current Charges	447	638	Inflation	653	668	684	701
49	Office Supplies	160	447	Inflation	457	468	479	491
50	Operating Supplies	29,869	29,539	Water Flow	30,233	30,974	31,733	32,510
51	Road Materials / Supplies	1,643	1,643	Inflation	1,681	1,721	1,762	1,805
52	Publications / Memberships / Training	1,282	2,354	Inflation	2,408	2,466	2,525	2,586
53	Promotional Activities	1,021	1,021	Inflation	1,044	1,069	1,095	1,121
54	Total Operating Services	$308,681	$269,986		$277,369	$285,086	$293,025	$301,191
55	**Total Distribution and Collection**	$709,805	$695,599		$714,588	$734,327	$754,721	$775,797

Table 8
City of Stuart
Water and Wastewater Rate Study

Projected Water Operating Expenses

Line No.	Description	Budget [1] 2017	Budget [2] 2018	Escalation Reference	Projected Fiscal Year Ending September 30, 2019	2020	2021	2022
	Utility Customer Service							
	Personnel Costs							
56	Salaries - Regular	$131,949	$134,785	Labor	$137,481	$140,230	$143,035	$145,896
57	Salaries - Overtime	2,920	4,866	Labor	4,963	5,063	5,164	5,267
58	Salaries - Part-time	0	0	Labor	0	0	0	0
59	Salaries - Longevity	0	0	Labor	0	0	0	0
60	Salaries - Special Pay	1,557	2,414	Labor	2,462	2,511	2,561	2,612
61	FICA Taxes	10,436	10,868	Labor	11,085	11,307	11,533	11,764
62	Retirement Contribution	9,923	11,061	Labor	11,282	11,507	11,738	11,972
63	Insurance - Life & Health	26,794	34,249	Ins-Health	36,304	38,482	40,791	43,239
64	Workers Compensation	191	194	Worker Comp	200	206	212	218
65	Unemployment Compensation	0	0	Labor	0	0	0	0
66	Total Personnel Costs	$183,770	$198,436		$203,777	$209,306	$215,034	$220,968
	Operating Services							
67	Professional Services	$23,643	$2,920	Inflation	$2,987	$3,058	$3,132	$3,207
68	Accounting and Auditing	0	0	Inflation	0	0	0	0
69	Other Contractual Services	24,135	15,101	Inflation	15,448	15,819	16,198	16,587
70	Travel and Per Diem	649	2,336	Inflation	2,389	2,447	2,505	2,566
71	Communications / Freight	25,294	27,275	Cust-Water	27,965	28,701	29,455	30,230
72	Utility Services	1,557	973	Utility	1,022	1,073	1,127	1,183
73	Rentals and Leases	649	649	Inflation	664	680	696	713
74	Insurance	1,540	1,564	Ins-Property	1,610	1,659	1,709	1,760
75	Repair and Maintenance	344	811	Repair	835	860	886	913
76	Printing and Binding	6,164	7,785	Cust-Water	7,982	8,192	8,408	8,629
77	Other Current Charges	61,830	61,830	Cust-Water	63,394	65,061	66,772	68,527
78	Office Supplies	1,298	8,240	Cust-Water	8,448	8,670	8,898	9,132
79	Operating Supplies	6,650	7,299	Cust-Water	7,484	7,680	7,882	8,089
80	Publications / Memberships / Training	1,298	3,065	Inflation	3,135	3,211	3,288	3,367
81	Promotional Activities	389	1,427	Inflation	1,460	1,495	1,531	1,568
82	Total Operating Services	$155,439	$141,274		$144,824	$148,606	$152,487	$156,469
83	**Total Utility Customer Service**	$339,209	$339,710		$348,601	$357,913	$367,521	$377,437
	Water and Wastewater General Government							
	Personnel Costs							
84	Salaries - Regular	$327,156	$331,561	Labor	$338,192	$344,956	$351,855	$358,892
85	Salaries - Overtime	552	2,208	Labor	2,252	2,297	2,343	2,390
86	Salaries - Part-time	0	0	Labor	0	0	0	0
87	Salaries - Longevity	0	0	Labor	0	0	0	0
88	Salaries - Special Pay	2,851	3,414	Labor	3,482	3,552	3,623	3,695
89	FICA Taxes	25,288	25,724	Labor	26,238	26,763	27,298	27,844
90	Retirement Contribution	27,930	29,898	Labor	30,496	31,106	31,728	32,363
91	Insurance - Life & Health	56,526	57,973	Ins-Health	61,452	65,139	69,047	73,190
92	Workers Compensation	2,759	2,800	Worker Comp	2,884	2,971	3,060	3,152
93	Unemployment Compensation	0	0	Labor	0	0	0	0
94	Total Personnel Costs	$443,061	$453,578		$464,997	$476,784	$488,955	$501,526
	Operating Services							
95	Professional Services	$62,654	$27,601	Inflation	$28,236	$28,914	$29,607	$30,318
96	Other Contractual Services	552	8,567	Inflation	8,764	8,975	9,190	9,411
97	Travel and Per Diem	3,036	5,796	Inflation	5,930	6,072	6,218	6,367
98	Communications / Freight	2,481	2,285	Inflation	2,338	2,394	2,451	2,510
99	Utility Services	2,981	3,202	Utility	3,362	3,530	3,706	3,892
100	Rentals and Leases	15,070	16,174	Inflation	16,546	16,943	17,350	17,766
101	Insurance	7,659	7,782	Ins-Property	8,016	8,256	8,504	8,759
102	Repair and Maintenance	3,514	4,140	Repair	4,264	4,392	4,524	4,660
103	Printing and Binding	569	552	Inflation	565	578	592	606
104	Other Current Charges	0	2,208	Inflation	2,259	2,313	2,369	2,425
105	Office Supplies	2,390	2,263	Inflation	2,315	2,371	2,428	2,486
106	Operating Supplies	8,757	9,191	Inflation	9,403	9,628	9,859	10,096
107	Promotional Materials	0	524	Inflation	536	549	563	576
108	Publications / Memberships / Training	3,892	4,389	Inflation	4,490	4,597	4,708	4,821
109	Total Operating Services	$113,554	$94,676		$97,024	$99,513	$102,069	$104,693
110	**Total Water and Wastewater General Government**	$556,615	$548,254		$562,020	$576,297	$591,024	$606,220

Table 8
City of Stuart
Water and Wastewater Rate Study

Projected Water Operating Expenses

Line No.	Description	Budget [1] 2017	Budget [2] 2018	Escalation Reference	Projected Fiscal Year Ending September 30, 2019	2020	2021	2022
	Non - Departmental							
111	Transfers (Indirect Cost Allocation) - Net	$127,338	$136,735	Labor	$139,470	$142,259	$145,104	$148,007
112	Other Non-operating Uses	22,611	6,774	Ins-Health	7,181	7,612	8,068	8,553
113	Other Costs	0	0	Constant	0	0	0	0
114	**Total Non - Departmental**	$149,949	$143,510		$146,651	$149,871	$153,173	$156,559
	Additional Charges							
115	Additional Personnel Costs [3]	$0	$0	Input	$0	$0	$0	$0
116	Additional Operating Costs [3]	0	0	Calculated	0	288,350	591,300	605,900
117	Additional Maintenance Costs	0	0	Calculated	0	0	0	0
118	Bad Debt Expense	0	0	Calculated	0	0	0	0
119	**Total Additional Charges**	$0	$0		$0	$288,350	$591,300	$605,900
120	**Total System**	$4,214,004	$3,847,153		$3,952,601	$4,350,979	$4,767,588	$4,899,623

Footnotes:

[1] Amounts derived from Table 6 as allocated to the water system.

[2] Amounts derived from Table 7 as allocated to the water system.

[3] Based on discussions with the City, no new personnel costs are assumed based on the water plant improvements; however, incremental operating expenses are estimated to be incurred to produce 1 MGD beginning in FY20 and increasing waster production to 2 MGD by FY21 as provided by the City's Consulting Engineer.

Table 9
City of Stuart
Water and Wastewater Rate Study

Projected Wastewater Operating Expenses

Line No.	Description	Budget [1] 2017	Budget [2] 2018	Escalation Reference	Projected Fiscal Year Ending September 30, 2019	2020	2021	2022
	Wastewater Plant							
	Personnel Costs							
1	Salaries - Regular	$488,918	$497,476	Labor	$507,426	$517,574	$527,926	$538,484
2	Salaries - Overtime	23,500	24,000	Labor	24,480	24,970	25,469	25,978
3	Salaries - Part-time	0	0	Labor	0	0	0	0
4	Salaries - Longevity	0	0	Labor	0	0	0	0
5	Salaries - Special Pay	5,160	5,760	Labor	5,875	5,993	6,113	6,235
6	FICA Taxes	39,595	40,334	Labor	41,141	41,963	42,803	43,659
7	Retirement Contribution	36,925	41,515	Labor	42,345	43,192	44,056	44,937
8	Insurance - Life & Health	115,705	128,868	Ins-Health	136,600	144,796	153,484	162,693
9	Workers Compensation	13,151	13,349	Worker Comp	13,749	14,162	14,587	15,024
10	Unemployment Compensation	0	0	Labor	0	0	0	0
11	Total Personnel Costs	$722,954	$751,302		$771,616	$792,650	$814,437	$837,010
	Operating Services							
12	Professional Services	$36,959	$35,000	Inflation	$35,805	$36,664	$37,544	$38,445
13	Other Contractual Services	152,475	171,975	Inflation	175,930	180,153	184,476	188,904
14	Travel and Per Diem	600	2,800	Inflation	2,864	2,933	3,004	3,076
15	Communications / Freight	8,649	13,870	Inflation	14,189	14,530	14,878	15,235
16	Utility Services	430,000	454,400	Utility-S	483,991	514,708	547,287	581,837
17	Rentals and Leases	52,000	56,000	Inflation	57,288	58,663	60,071	61,513
18	Insurance	21,572	21,433	Ins-Property	22,076	22,738	23,420	24,123
19	Repair and Maintenance	221,000	369,000	Repair	380,070	391,472	403,216	415,313
20	Printing and Binding	1,000	1,000	Inflation	1,023	1,048	1,073	1,098
21	Other Current Charges	13,828	7,500	Inflation	7,673	7,857	8,045	8,238
22	Office Supplies	1,500	1,000	Inflation	1,023	1,048	1,073	1,098
23	Operating Supplies	101,382	111,005	Sewer Flow	115,193	119,471	123,887	128,447
24	Publications / Memberships / Training	1,200	4,500	Inflation	4,604	4,714	4,827	4,943
25	Promotional Activities	2,000	2,000	Inflation	2,046	2,095	2,145	2,197
26	Total Operating Services	$1,044,165	$1,251,483		$1,303,775	$1,358,093	$1,414,947	$1,474,467
27	**Total Wastewater Plant**	$1,767,119	$2,002,785		$2,075,391	$2,150,743	$2,229,384	$2,311,478
	Distribution and Collection							
	Personnel Costs							
28	Salaries - Regular	$151,854	$155,360	Labor	$158,467	$161,637	$164,870	$168,167
29	Salaries - Overtime	8,688	9,665	Labor	9,859	10,056	10,257	10,462
30	Salaries - Part-time	0	0	Labor	0	0	0	0
31	Salaries - Longevity	0	0	Labor	0	0	0	0
32	Salaries - Special Pay	1,195	2,498	Labor	2,548	2,599	2,651	2,704
33	FICA Taxes	12,373	12,816	Labor	13,072	13,333	13,600	13,872
34	Retirement Contribution	11,469	13,208	Labor	13,472	13,741	14,016	14,296
35	Insurance - Life & Health	36,698	42,544	Ins-Health	45,096	47,802	50,670	53,710
36	Workers Compensation	5,321	5,401	Worker Comp	5,563	5,730	5,902	6,079
37	Unemployment Compensation	0	0	Labor	0	0	0	0
38	Total Personnel Costs	$227,597	$241,492		$248,077	$254,898	$261,966	$269,291
	Operating Services							
39	Professional Services	$14,462	$7,240	Inflation	$7,407	$7,584	$7,766	$7,953
40	Other Contractual Services	56,387	40,146	Inflation	41,069	42,055	43,064	44,098
41	Travel and Per Diem	91	109	Inflation	111	114	116	119
42	Communications / Freight	2,314	2,324	Inflation	2,377	2,435	2,493	2,553
43	Utility Services	3,179	3,779	Utility-S	4,025	4,281	4,552	4,839
44	Rentals and Leases	181	181	Inflation	185	190	194	199
45	Insurance	11,502	11,675	Ins-Property	12,025	12,386	12,757	13,140
46	Repair and Maintenance	67,318	67,332	Repair	69,352	71,433	73,575	75,783
47	Printing and Binding	181	181	Inflation	185	190	194	199
48	Other Current Charges	253	362	Inflation	370	379	388	398
49	Office Supplies	91	253	Inflation	259	265	272	278
50	Operating Supplies	16,947	16,761	Sewer Flow	17,393	18,039	18,706	19,394
51	Road Materials / Supplies	932	932	Inflation	954	976	1,000	1,024
52	Publications / Memberships / Training	728	1,336	Inflation	1,367	1,399	1,433	1,467
53	Promotional Activities	579	579	Inflation	593	607	621	636
54	Total Operating Services	$175,145	$153,190		$157,672	$162,332	$167,133	$172,080
55	**Total Distribution and Collection**	$402,742	$394,681		$405,749	$417,230	$429,099	$441,370
	Utility Customer Service							
	Personnel Costs							

Table 9
City of Stuart
Water and Wastewater Rate Study

Projected Wastewater Operating Expenses

Line No.	Description	Budget [1] 2017	Budget [2] 2018	Escalation Reference	Projected Fiscal Year Ending September 30, 2019	2020	2021	2022
56	Salaries - Regular	$71,427	$72,963	Labor	$74,422	$75,911	$77,429	$78,977
57	Salaries - Overtime	1,580	2,634	Labor	2,687	2,740	2,795	2,851
58	Salaries - Part-time	0	0	Labor	0	0	0	0
59	Salaries - Longevity	0	0	Labor	0	0	0	0
60	Salaries - Special Pay	843	1,306	Labor	1,333	1,359	1,386	1,414
61	FICA Taxes	5,650	5,883	Labor	6,001	6,121	6,243	6,368
62	Retirement Contribution	5,371	5,987	Labor	6,107	6,229	6,354	6,481
63	Insurance - Life & Health	14,505	18,540	Ins-Health	19,652	20,832	22,081	23,406
64	Workers Compensation	104	105	Worker Comp	108	111	115	118
65	Unemployment Compensation	0	0	Labor	0	0	0	0
66	Total Personnel Costs	$99,480	$107,419		$110,310	$113,303	$116,404	$119,616
	Operating Services							
67	Professional Services	$12,799	$1,580	Inflation	$1,617	$1,656	$1,695	$1,736
68	Accounting and Auditing	0	0	Inflation	0	0	0	0
69	Other Contractual Services	13,065	8,174	Inflation	8,362	8,563	8,769	8,979
70	Travel and Per Diem	351	1,264	Inflation	1,293	1,324	1,356	1,389
71	Communications / Freight	13,693	14,765	Cust-Water	15,138	15,536	15,945	16,364
72	Utility Services	843	527	Utility	553	581	610	640
73	Rentals and Leases	351	351	Inflation	359	368	377	386
74	Insurance	834	846	Ins-Property	872	898	925	953
75	Repair and Maintenance	186	439	Repair	452	466	480	494
76	Printing and Binding	3,336	4,215	Cust-Sewer	4,616	5,009	5,418	5,843
77	Other Current Charges	33,470	33,470	Cust-Sewer	36,660	39,778	43,025	46,405
78	Office Supplies	702	4,460	Cust-Sewer	4,885	5,301	5,734	6,184
79	Operating Supplies	3,600	3,951	Cust-Sewer	4,328	4,696	5,079	5,478
80	Publications / Memberships / Training	702	1,659	Inflation	1,697	1,738	1,780	1,822
81	Promotional Activities	211	773	Inflation	790	809	829	849
82	Total Operating Services	$84,144	$76,475		$81,624	$86,724	$92,021	$97,523
83	**Total Utility Customer Service**	$183,624	$183,894		$191,934	$200,027	$208,425	$217,139
	Water and Wastewater General Government							
	Personnel Costs							
84	Salaries - Regular	$265,495	$269,070	Labor	$274,451	$279,940	$285,539	$291,250
85	Salaries - Overtime	448	1,792	Labor	1,828	1,864	1,902	1,940
86	Salaries - Part-time	0	0	Labor	0	0	0	0
87	Salaries - Longevity	0	0	Labor	0	0	0	0
88	Salaries - Special Pay	2,313	2,770	Labor	2,826	2,882	2,940	2,999
89	FICA Taxes	20,521	20,875	Labor	21,293	21,719	22,153	22,596
90	Retirement Contribution	22,665	24,263	Labor	24,748	25,243	25,748	26,263
91	Insurance - Life & Health	45,872	47,047	Ins-Health	49,870	52,862	56,033	59,395
92	Workers Compensation	2,239	2,273	Worker Comp	2,341	2,411	2,483	2,558
93	Unemployment Compensation	0	0	Labor	0	0	0	0
94	Total Personnel Costs	$359,554	$368,090		$377,356	$386,921	$396,798	$407,001
	Operating Services							
95	Professional Services	$50,846	$22,399	Inflation	$22,914	$23,464	$24,027	$24,604
96	Other Contractual Services	448	6,953	Inflation	7,113	7,283	7,458	7,637
97	Travel and Per Diem	2,464	4,704	Inflation	4,812	4,927	5,046	5,167
98	Communications / Freight	2,013	1,855	Inflation	1,897	1,943	1,989	2,037
99	Utility Services	2,419	2,598	Utility	2,728	2,865	3,008	3,158
100	Rentals and Leases	12,230	13,126	Inflation	13,428	13,750	14,080	14,418
101	Insurance	6,215	6,316	Ins-Property	6,505	6,700	6,901	7,108
102	Repair and Maintenance	2,851	3,360	Repair	3,461	3,564	3,671	3,782
103	Printing and Binding	461	448	Inflation	458	469	481	492
104	Other Current Charges	0	1,792	Inflation	1,833	1,877	1,922	1,968
105	Office Supplies	1,940	1,837	Inflation	1,879	1,924	1,970	2,018
106	Operating Supplies	7,106	7,459	Inflation	7,630	7,814	8,001	8,193
107	Promotional Materials	0	426	Inflation	435	446	457	467
108	Publications / Memberships / Training	3,158	3,561	Inflation	3,643	3,731	3,820	3,912
109	Total Operating Services	$92,152	$76,832		$78,737	$80,757	$82,832	$84,961
110	**Total Water and Wastewater General Government**	$451,706	$444,922		$456,093	$467,679	$479,630	$491,962
	Non - Departmental							
111	Transfers (Indirect Cost Allocation) - Net	$103,338	$110,964	Labor	$113,183	$115,447	$117,756	$120,111
112	Other Non-operating Uses	18,349	5,498	Ins-Health	5,827	6,177	6,548	6,941
113	Other Costs	0	0	Constant	0	0	0	0

Table 9
City of Stuart
Water and Wastewater Rate Study

Projected Wastewater Operating Expenses

Line No.	Description	Budget [1] 2017	Budget [2] 2018	Escalation Reference	Projected Fiscal Year Ending September 30, 2019	2020	2021	2022
114	**Total Non - Departmental**	$121,687	$116,461		$119,011	$121,624	$124,303	$127,051
	Additional Charges							
115	Additional Personnel Costs	$0	$0	Input	$0	$0	$0	$0
116	Additional Operating Costs	0	0	Calculated	0	0	0	0
117	Additional Maintenance Costs	0	0	Calculated	0	0	0	0
118	Bad Debt Expense	0	0	Calculated	0	0	0	0
119	**Total Additional Charges**	$0	$0		$0	$0	$0	$0
120	**Total System**	$2,926,878	$3,142,744		$3,248,179	$3,357,303	$3,470,841	$3,589,001

Footnotes:
[1] Amounts derived from Table 6 as allocated to the wastewater system.

[2] Amounts derived from Table 7 as allocated to the wastewater system.

Table 10
City of Stuart
Water and Wastewater Rate Study

Summary of Projected Expense Escalation Factors

Line No.	Description	Escalation Reference	Projected Fiscal Year Ending September 30, 2019	2020	2021	2022
1	Constant	Constant	1.0000	1.0000	1.0000	1.0000
2	General Inflation (CPI Index)	Inflation	1.0230	1.0240	1.0240	1.0240
3	Labor Escalator	Labor	1.0200	1.0200	1.0200	1.0200
4	Customer Acct. Growth + Inflation (Water)	Cust-Water	1.0253	1.0263	1.0263	1.0263
5	Customer Acct. Growth + Inflation (Sewer)	Cust-Sewer	1.0953	1.0851	1.0816	1.0786
6	Rate Revenue - Water	Water Rev	1.0006	1.0006	1.0006	1.0006
7	Rate Revenue - Sewer	Sewer Rev	1.0150	1.0133	1.0132	1.0130
8	Flow Growth + Inflation (Water)	Water Flow	1.0235	1.0245	1.0245	1.0245
9	Flow Growth + Inflation (Sewer)	Sewer Flow	1.0377	1.0371	1.0370	1.0368
10	Utility Costs	Utility	1.0500	1.0500	1.0500	1.0500
11	Flow Growth + Inflation (Water)	Utility-W	1.0505	1.0505	1.0505	1.0505
12	Flow Growth + Inflation (Sewer)	Utility-S	1.0651	1.0635	1.0633	1.0631
13	Life/Health/Disability Insurance Escalator	Ins-Health	1.0600	1.0600	1.0600	1.0600
14	Workers Compensation	Worker Comp	1.0300	1.0300	1.0300	1.0300
15	Property Insurance Escalator	Ins-Property	1.0300	1.0300	1.0300	1.0300
16	Repair and Maintenance	Repair	1.0300	1.0300	1.0300	1.0300
17	Marginal Escalator	Margin	1.0010	1.0010	1.0010	1.0010
18	Auto/Equipment User Charge Allocation	Auto Exp	1.0000	1.0000	1.0000	1.0000

	2018	2019	2020	2021	2022
No. of Customers - Water	4,448	4,458	4,468	4,478	4,488
Rate of Growth		0.22%	0.22%	0.22%	0.22%
No. of Customers - Wastewater	2,692	2,882	3,054	3,226	3,398
Rate of Growth		7.07%	5.96%	5.63%	5.33%
Water Revenue	$5,314,734	$5,317,698	$5,320,662	$5,323,626	$5,326,590
Rate of Growth		0.06%	0.06%	0.06%	0.06%
Wastewater Revenue	$5,049,022	$5,124,661	$5,192,994	$5,261,326	$5,329,659
Rate of Growth		1.50%	1.33%	1.32%	1.30%
Water Sales	990,960	991,440	991,920	992,400	992,880
Rate of Growth		0.05%	0.05%	0.05%	0.05%
Wastewater Sales	634,160	643,292	651,543	659,793	668,043
Rate of Growth		1.44%	1.28%	1.27%	1.25%

Table 11
City of Stuart
Water and Wastewater Rate Study

Five Year Estimated Capital Funding Program

Line No.	Description	Ref	Funding Source	For the Fiscal Years Ending September 30, Future Dollars [1]						
				2017	2018	2019	2020	2021	2022	Total
	Cumulative Inflation Factor ===>			1.000	1.000	1.030	1.061	1.093	1.126	
	SYSTEM CAPITAL COSTS									
	Water System									
	Water Treatment and Supply									
1	1 MGD Floridan Aquifer Supply Well #1	WTF-1	Debt1	$0	$1,250,000	$0	$0	$0	$0	$1,250,000
2	2 MGD Floridan Aquifer Supply Well #2	WTF-2	Debt1	0	0	1,250,000	0	0	0	1,250,000
3	3 MGD Floridan Aquifer Supply Well #3	WTF-3	Debt1	0	0	1,250,000	0	0	0	1,250,000
4	2 MGD RO Membrane Skids within Metal Building for Expandable to 4MGD	WTF-4	Debt1	0	0	3,000,000	0	0	0	3,000,000
5	Lime Softening Plant Blending Upgrades	WTF-5	Debt1	0	0	1,500,000	0	0	0	1,500,000
6	RO Reject Main from WTF to WRF Injection Well 2	WTF-6	Debt1	0	1,250,000	0	0	0	0	1,250,000
7	GAC - Wells 1, 3, and 5	WTF-7	Debt1	0	600,000	0	0	0	0	600,000
8	Renewal and Replacement Fund (Above Budget)	0	RR	0	150,000	155,000	159,000	164,000	169,000	797,000
9	Paint Water Treatment Facility	0	RR	0	0	0	0	158,000	0	158,000
10	Adjustment - Debt 1	0	Debt1	0	0	(1,500,000)	0	0	0	(1,500,000)
11	Adjustment - WAF	0	WAF	0	0	1,500,000	0	0	0	1,500,000
12	Other Projects	0	WREV2	0	0	0	0	0	0	0
13	**Total Water Treatment and Supply**			$0	$3,250,000	$7,155,000	$159,000	$322,000	$169,000	$11,055,000
	Water Transmission and Distribution									
14	Phase II Water Main Rehabilitation	WD-1	RR	$0	$0	$0	$0	$0	$0	$0
15	Large Meter Conversion	WD-2	Debt3	0	125,000	129,000	0	0	0	254,000
16	US 1 12" Water Main Extension (south of Johnson Ave)	WD-3	WAF	0	0	0	0	0	0	0
17	Renewal & Replacement (Above Budget)	0	RR	0	100,000	103,000	106,000	109,000	113,000	531,000
18	Other Projects	0	WREV2	0	0	0	0	0	0	0
19	Other Projects	0	WREV2	0	0	0	0	0	0	0
20	Other Projects	0	WREV2	0	0	0	0	0	0	0
21	**Total Water Transmission and Distribution**			$0	$225,000	$232,000	$106,000	$109,000	$113,000	$785,000
	Other Capital Projects									
22	Other Projects	0	WREV2	$0	$0	$0	$0	$0	$0	$0
23	FY16 Carry Forward into FY17	0	OR	166,000	0	0	0	0	0	166,000
24	Capital Outlay - Net Amount from Budget (Excludes FY16 Carry Forward in FY17)	N/A	WREV1	232,000	184,000	155,000	159,000	164,000	169,000	1,063,000
25	**Total Other Capital Projects**			$398,000	$184,000	$155,000	$159,000	$164,000	$169,000	$1,229,000
26	**Total Water System**			$398,000	$3,659,000	$7,542,000	$424,000	$595,000	$451,000	$13,069,000

Table 11
City of Stuart
Water and Wastewater Rate Study

Five Year Estimated Capital Funding Program

Line No.	Description	Ref	Funding Source	For the Fiscal Years Ending September 30, Future Dollars [1] 2017	2018	2019	2020	2021	2022	Total
	Wastewater System									
	Water Reclamation Facility									
27	Mercaptan Odor Control - Influent Wet Well	WRF-1	SREV2	$0	$0	$0	$0	$0	$0	$0
28	Electrical Control Building Modification	WRF-2	RR	0	500,000	0	0	0	0	500,000
29	Grit Removal System Replacement	WRF-3	RR	0	0	0	0	0	0	0
30	Clarifier Drive Unit Renewal (3)	WRF-4	RR	0	0	0	0	0	0	0
31	DMW-1 Monitoring Well Replacement	WRF-5	RR	0	0	412,000	0	0	0	412,000
32	DMR-1R Monitoring Well Replacement	WRF-6	RR	0	0	0	0	0	0	0
33	1,000 KW Plant Generator Replacement	WRF-7	RR	0	0	0	0	0	0	0
34	Replace Blowers (5) with Turbo Blowers and VFD's	WRF-8	RR	0	0	0	0	0	0	0
35	New 2.3 MGD Krueger Filter	WRF-9	RR	0	0	0	0	0	0	0
36	Renewal & Replacement Fund (Above Budget)	0	RR	0	150,000	155,000	159,000	164,000	169,000	797,000
37	WWTP Plant Painting	WRF-11	RR	0	0	0	0	164,000	0	164,000
38	Upgrade Security Surveillance System	WRF-21	SREV2	0	0	52,000	0	0	0	52,000
39	Other Projects	0	SREV2	0	0	0	0	0	0	0
40	Other Projects	0	SREV2	0	0	0	0	0	0	0
41	Other Projects	0	SREV2	0	0	0	0	0	0	0
42	**Total Wastewater Treatment and Disposal**			$0	$650,000	$619,000	$159,000	$328,000	$169,000	$1,925,000
	Wastewater Transmission and Collection									
43	Monterey Road Force Main Replacement Willoughby to Dixie	WC-1	Debt3	$0	$300,000	$309,000	$0	$0	$0	$609,000
44	Dolphin Sewer Basin 1 of 2	WC-2	Debt2	0	227,000	0	0	0	0	227,000
45	Dolphin Sewer Basin 2 of 2	WC-2	Grant	0	227,000	0	0	0	0	227,000
46	Poppleton Basin 1 of 2	WC-3	Debt2	0	193,500	0	0	0	0	193,500
47	Poppleton Basin 2 of 2	WC-3	Grant	0	193,500	0	0	0	0	193,500
48	Palm Beach Sewer Basin 1 of 2	WC-4	Debt2	0	153,500	0	0	0	0	153,500
49	Palm Beach Sewer Basin 2 of 2	WC-4	Grant	0	153,500	0	0	0	0	153,500
50	East Stuart Sewer Basin 1 of 2	WC-5	Debt2	0	112,000	0	0	0	0	112,000
51	East Stuart Sewer Basin 2 of 2	WC-5	Grant	0	112,000	0	0	0	0	112,000
52	Channel Ave. Sewer Basin 1 of 2	0	Debt2	0	81,250	0	0	0	0	81,250
53	Channel Ave. Sewer Basin 2 of 2	0	Grant	0	81,250	0	0	0	0	81,250
54	Grinder Systems (Link to Sewer Expansion Growth Assumptions)	0	Construction	500,000	500,000	515,000	530,000	546,000	563,000	3,154,000
55	Grinder Systems (Link to Sewer Expansion Growth Assumptions)	0	Construction	(500,000)	(500,000)	(515,000)	(530,000)	(546,000)	(563,000)	(3,154,000)
56	Grinder Systems (Link to Sewer Expansion Growth Assumptions)	0	Construction	500,000	750,000	928,000	859,000	884,000	911,000	4,832,000
57	St, Lucie Basin - 1 of 2	0	Construction	374,000	0	0	0	0	0	374,000
58	St, Lucie Basin - 2 of 2	0	Grant	485,000	0	0	0	0	0	485,000
59	Stuart Middle Force Main Replacement	0	Debt3	0	0	412,000	0	0	0	412,000
60	**Total Wastewater Transmission and Collection**			$1,359,000	$2,584,500	$1,649,000	$859,000	$884,000	$911,000	$8,246,500
	Other Capital Projects									
61	Other Projects	0	SREV2	$0	$0	$0	$0	$0	$0	$0
62	FY16 Carry Forward into FY17	0	OR	2,921,000	0	0	0	0	0	2,921,000
63	Capital Outlay - Net Amount from Budget (Excludes FY16 Carry Forward in FY17)	N/A	SREV1	106,000	172,000	155,000	159,000	164,000	169,000	925,000
64	**Total Other Capital Projects**			$3,027,000	$172,000	$155,000	$159,000	$164,000	$169,000	$3,846,000
65	**Total Wastewater System**			$4,386,000	$3,406,500	$2,423,000	$1,177,000	$1,376,000	$1,249,000	$14,017,500
66	**TOTAL SYSTEM CAPITAL COSTS**			$4,784,000	$7,065,500	$9,965,000	$1,601,000	$1,971,000	$1,700,000	$27,086,500

Table 11
City of Stuart
Water and Wastewater Rate Study

Five Year Estimated Capital Funding Program

Line No.	Description	Ref	Funding Source	For the Fiscal Years Ending September 30, Future Dollars [1] 2017	2018	2019	2020	2021	2022	Total
	FUNDING SOURCES									
67	**Operating Reserves**	0	OR	$3,087,000	$0	$0	$0	$0	$0	$3,087,000
68	Renewal and Replacement Fund	0	RR	0	900,000	825,000	424,000	759,000	451,000	3,359,000
69	Rate Revenue - Water System (For Ordinary Vehicles, Equipment and Other Capital Outlay)	0	WREV1	232,000	184,000	155,000	159,000	164,000	169,000	1,063,000
70	Rate Revenue - Water System (For all other lawful capital expenditures)	0	WREV2	0	0	0	0	0	0	0
71	Rate Revenue - Wastewater System (For Ordinary Vehicles, Equipment and Other Capital Outlay)	0	SREV1	106,000	172,000	155,000	159,000	164,000	169,000	925,000
72	Rate Revenue - Wastewater System (For all other lawful capital expenditures)	0	SREV2	0	0	52,000	0	0	0	52,000
73	Water Availability Fees	0	WAF	0	0	1,500,000	0	0	0	1,500,000
74	Wastewater Availability Fees	0	SAF	0	0	0	0	0	0	0
75	Grant	0	Grant	485,000	767,250	0	0	0	0	1,252,250
76	Special Sewer Expansion Fees	0	Sewer Expansion Fees	0	0	0	0	0	0	0
77	Sewer Expansion Construction Fund	0	Construction	874,000	750,000	928,000	859,000	884,000	911,000	5,206,000
78	Debt Proceeds (Anticipated) - Proposed SRF Loan	0	Debt1	0	3,100,000	5,500,000	0	0	0	8,600,000
79	Debt Proceeds (Anticipated) - Bank Loan Sewer Expansion	0	Debt2	0	767,250	0	0	0	0	767,250
80	Debt Proceeds (Anticipated) - Bank Note Other Capital	0	Debt3	0	425,000	850,000	0	0	0	1,275,000
81	Debt Proceeds (Anticipated) - Bank Note Other Capital	0	Debt4	0	0	0	0	0	0	0
82	**TOTAL FUNDING SOURCES**			$4,784,000	$7,065,500	$9,965,000	$1,601,000	$1,971,000	$1,700,000	$27,086,500

Table 12
City of Stuart
Water and Wastewater Rate Study

Existing and Projected Debt Service Allocation

Line No.	Description	Projected Fiscal Year Ending September 30, 2017	2018	2019	2020	2021	2022
	EXISTING DEBT SERVICE [1]						
	Series 2003 Bonds (Unrefunded)						
1	Total Annual Debt Service	$469,800	$0	$0	$0	$0	$0
2	Percent Allocated to Water System	51.00%	51.00%	51.00%	51.00%	51.00%	51.00%
3	Percent Allocated to Wastewater System	49.00%	49.00%	49.00%	49.00%	49.00%	49.00%
4	Amount Allocated to Water System	$239,598	$0	$0	$0	$0	$0
5	Amount Allocated to Wastewater System	$230,202	$0	$0	$0	$0	$0
	Series 2006 Refunding Notes						
6	Total Annual Debt Service	$343,393	$343,430	$342,426	$343,289	$343,378	$343,254
7	Percent Allocated to Water System	50.00%	50.00%	50.00%	50.00%	50.00%	50.00%
8	Percent Allocated to Wastewater System	50.00%	50.00%	50.00%	50.00%	50.00%	50.00%
9	Amount Allocated to Water System	$171,697	$171,715	$171,213	$171,645	$171,689	$171,627
10	Amount Allocated to Wastewater System	$171,697	$171,715	$171,213	$171,645	$171,689	$171,627
	Series 2007A Refunding Notes						
11	Total Annual Debt Service	$315,701	$780,387	$785,938	$785,080	$783,083	$778,883
12	Percent Allocated to Water System	50.00%	50.00%	50.00%	50.00%	50.00%	50.00%
13	Percent Allocated to Wastewater System	50.00%	50.00%	50.00%	50.00%	50.00%	50.00%
14	Amount Allocated to Water System	$157,850	$390,193	$392,969	$392,540	$391,541	$389,441
15	Amount Allocated to Wastewater System	$157,850	$390,193	$392,969	$392,540	$391,541	$389,441

Table 12
City of Stuart
Water and Wastewater Rate Study

Existing and Projected Debt Service Allocation

Line No.	Description	Projected Fiscal Year Ending September 30, 2017	2018	2019	2020	2021	2022
	Series 2011 Refunding Notes						
16	Total Annual Debt Service	$380,217	$379,917	$379,455	$379,832	$379,025	$379,057
17	Percent Allocated to Water System	50.00%	50.00%	50.00%	50.00%	50.00%	50.00%
18	Percent Allocated to Wastewater System	50.00%	50.00%	50.00%	50.00%	50.00%	50.00%
19	Amount Allocated to Water System	$190,109	$189,958	$189,728	$189,916	$189,513	$189,528
20	Amount Allocated to Wastewater System	$190,109	$189,958	$189,728	$189,916	$189,513	$189,528
	SRF WW 430400						
21	Total Annual Debt Service	$178,054	$178,054	$178,054	$178,054	$178,054	$178,054
22	Percent Allocated to Water System	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
23	Percent Allocated to Wastewater System	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
24	Amount Allocated to Water System	$0	$0	$0	$0	$0	$0
25	Amount Allocated to Wastewater System	$178,054	$178,054	$178,054	$178,054	$178,054	$178,054
	SRF DW 430410						
26	Total Annual Debt Service	$354,468	$354,468	$354,468	$354,468	$354,468	$354,468
27	Percent Allocated to Water System	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
28	Percent Allocated to Wastewater System	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
29	Amount Allocated to Water System	$354,468	$354,468	$354,468	$354,468	$354,468	$354,468
30	Amount Allocated to Wastewater System	$0	$0	$0	$0	$0	$0

Table 12
City of Stuart
Water and Wastewater Rate Study

Existing and Projected Debt Service Allocation

Line No.	Description	Projected Fiscal Year Ending September 30, 2017	2018	2019	2020	2021	2022
	Other - Non-departmental						
31	Total Annual Debt Service	$0	$0	$0	$0	$0	$0
32	Percent Allocated to Water System	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
33	Percent Allocated to Wastewater System	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
34	Amount Allocated to Water System	$0	$0	$0	$0	$0	$0
35	Amount Allocated to Wastewater System	$0	$0	$0	$0	$0	$0
	TOTAL DEBT SERVICE - EXISTING DEBT						
36	Amount Allocated to Water System	$1,113,722	$1,106,335	$1,108,377	$1,108,568	$1,107,211	$1,105,065
37	Amount Allocated to Wastewater System	927,912	929,921	931,964	932,155	930,797	928,651
38	Total Annual Debt Service	$2,041,634	$2,036,256	$2,040,341	$2,040,723	$2,038,009	$2,033,716
39	Percent Allocated to Water System	54.55%	54.33%	54.32%	54.32%	54.33%	54.34%
40	Percent Allocated to Wastewater System	45.45%	45.67%	45.68%	45.68%	45.67%	45.66%
	PROPOSED DEBT SERVICE - ADDITIONAL DEBT [2]						
	Debt Proceeds (Anticipated) - Proposed SRF Loan						
41	Annual Principal Payment	$0	$0	$0	$351,150	$359,928	$368,927
42	Annual Interest Payment	0	0	0	224,250	215,471	206,473
43	Total Annual Debt Service	$0	$0	$0	$575,400	$575,400	$575,400
44	Percent Allocated to Water System	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
45	Percent Allocated to Wastewater System	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	Percent Allocated to Reclaimed Water System	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
46	Amount Allocated to Water System	$0	$0	$0	$575,400	$575,400	$575,400
47	Amount Allocated to Wastewater System	0	0	0	0	0	0
	Amount Allocated to Reclaimed Water System	0	0	0	0	0	0

Table 12
City of Stuart
Water and Wastewater Rate Study

Existing and Projected Debt Service Allocation

Line No.	Description	Projected Fiscal Year Ending September 30, 2017	2018	2019	2020	2021	2022
	Debt Proceeds (Anticipated) - Bank Loan Sewer Expansion						
48	Annual Principal Payment	$0	$0	$0	$111,332	$114,672	$118,112
49	Annual Interest Payment	0	0	0	29,700	26,360	22,920
50	Total Annual Debt Service	$0	$0	$0	$141,032	$141,032	$141,032
51	Percent Allocated to Water System	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
52	Percent Allocated to Wastewater System	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
	Percent Allocated to Reclaimed Water System	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
53	Amount Allocated to Water System	$0	$0	$0	$0	$0	$0
54	Amount Allocated to Wastewater System	0	0	0	141,032	141,032	141,032
	Amount Allocated to Reclaimed Water System	0	0	0	0	0	0
	Debt Proceeds (Anticipated) - Bank Note Other Capital						
55	Annual Principal Payment	$0	$0	$0	$184,991	$190,540	$196,257
56	Annual Interest Payment	0	0	0	49,350	43,800	38,084
57	Total Annual Debt Service	$0	$0	$0	$234,341	$234,341	$234,341
58	Percent Allocated to Water System	19.92%	19.92%	19.92%	19.92%	19.92%	19.92%
59	Percent Allocated to Wastewater System	80.08%	80.08%	80.08%	80.08%	80.08%	80.08%
	Percent Allocated to Reclaimed Water System	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
60	Amount Allocated to Water System	$0	$0	$0	$46,684	$46,684	$46,684
61	Amount Allocated to Wastewater System	0	0	0	187,656	187,656	187,656
	Amount Allocated to Reclaimed Water System	0	0	0	0	0	0
	0						
62	Annual Principal Payment	$0	$0	$0	$0	$0	$0
63	Annual Interest Payment	0	0	0	0	0	0
64	Total Annual Debt Service	$0	$0	$0	$0	$0	$0
65	Percent Allocated to Water System	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
66	Percent Allocated to Wastewater System	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
	Percent Allocated to Reclaimed Water System	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
67	Amount Allocated to Water System	$0	$0	$0	$0	$0	$0
68	Amount Allocated to Wastewater System	0	0	0	0	0	0
	Amount Allocated to Reclaimed Water System	0	0	0	0	0	0

Table 12
City of Stuart
Water and Wastewater Rate Study

Existing and Projected Debt Service Allocation

Line No.	Description	Projected Fiscal Year Ending September 30, 2017	2018	2019	2020	2021	2022
	TOTAL DEBT SERVICE - PROPOSED DEBT						
69	Amount Allocated to Water System	$0	$0	$0	$622,084	$622,084	$622,084
70	Amount Allocated to Wastewater System	0	0	0	328,688	328,688	328,688
	Percent Allocated to Reclaimed Water System	0	0	0	0	0	0
71	Total Annual Debt Service	$0	$0	$0	$950,772	$950,772	$950,772
72	Percent Allocated to Water System	0.00%	0.00%	0.00%	65.43%	65.43%	65.43%
73	Percent Allocated to Wastewater System	0.00%	0.00%	0.00%	34.57%	34.57%	34.57%
	Percent Allocated to Reclaimed Water System	100.00%	100.00%	100.00%	0.00%	0.00%	0.00%
	TOTAL DEBT SERVICE - EXISTING AND PROPOSED						
74	Amount Allocated to Water System	$1,113,722	$1,106,335	$1,108,377	$1,730,653	$1,729,295	$1,727,149
75	Amount Allocated to Wastewater System	927,912	929,921	931,964	1,260,843	1,259,486	1,257,339
	Amount Allocated to Reclaimed Water System	0	0	0	0	0	0
76	Total Annual Debt Service	$2,041,634	$2,036,256	$2,040,341	$2,991,496	$2,988,781	$2,984,488
77	Percent Allocated to Water System	54.55%	54.33%	54.32%	57.85%	57.86%	57.87%
78	Percent Allocated to Wastewater System	45.45%	45.67%	45.68%	42.15%	42.14%	42.13%
	Percent Allocated to Reclaimed Water System	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%

Footnotes:

[1] Payment schedules as provided by the City.

[2] Amounts as derived from Table 12a.

Table 12a
City of Stuart
Water and Wastewater Rate Study

Summary of Debt Service Sizing and Payments

No.	Description	Percent	Amount
	Debt Proceeds (Anticipated) - Proposed SRF Loan		
	Projects		
1	Water	100.0%	$8,600,000
2	Wastewater	0.0%	0
3	Other	0.0%	0
4	Other	0.0%	0
5	Other	0.0%	0
6	Other	0.0%	0
7	Total Project Cost		$8,600,000
8	Issuance and Surety Costs		
9	Issuance Costs (%)	2.00%	$179,400
10	Bond Insurance	0.00%	0
11	Surety Costs (%)	0.00%	0
12	Underwriters Discount	0.00%	0
13	Total Issuance Costs	2.00%	$179,400
14	Capitalized Interest - CP Used	Yes	
15	Capitalized Interest 0.0	0.0 yr	185,969
16	Debt Service Reserve Requirement	0%	-
17	Principal Amount of Bonds (Rounded)		$8,970,000
18	Assumed Issue Date		October 1, 2019
19	Level Debt Service Payment		
20	Term-Years		20
21	Interest Rate		2.50%
22	First Year of Bond Term (Fiscal Year)		2020
23	First Year of Amortization (Fiscal Year)		2020
24	Interest Only Periods		-
25	Issue Month (Jan=1)		10
26	Principal Payment Month (Jan=1)		10
27	Annual Payment		$575,400

Amortization

Year	Start Bal	Principal	Interest	Cap Int	Payment	End Bal
2020	8,970,000	351,150	224,250	0	575,400	8,618,850
2021	8,618,850	359,928	215,471	0	575,400	8,258,922
2022	8,258,922	368,927	206,473	0	575,400	7,889,995
2023	7,889,995	378,150	197,250	0	575,400	7,511,845
2024	7,511,845	387,604	187,796	0	575,400	7,124,242
2025	7,124,242	397,294	178,106	0	575,400	6,726,948
2026	6,726,948	407,226	168,174	0	575,400	6,319,722
2027	6,319,722	417,407	157,993	0	575,400	5,902,315
2028	5,902,315	427,842	147,558	0	575,400	5,474,473
2029	5,474,473	438,538	136,862	0	575,400	5,035,935
2030	5,035,935	449,501	125,898	0	575,400	4,586,434
2031	4,586,434	460,739	114,661	0	575,400	4,125,695
2032	4,125,695	472,257	103,142	0	575,400	3,653,438
2033	3,653,438	484,064	91,336	0	575,400	3,169,374
2034	3,169,374	496,165	79,234	0	575,400	2,673,209
2035	2,673,209	508,570	66,830	0	575,400	2,164,639
2036	2,164,639	521,284	54,116	0	575,400	1,643,355
2037	1,643,355	534,316	41,084	0	575,400	1,109,039
2038	1,109,039	547,674	27,726	0	575,400	561,366
2039	561,366	561,366	14,034	0	575,400	0

Do Not Delete Lines - For Amortization Purposes

28	Commercial Paper Capitalized Interest Calculation		2018	2019	2020	2021	2022
29	Beginning Balance		$ -	$3,138,750	$ -	$ -	$ -
30	Construction Fund Draw-down (Cannot Exceed 5 Fiscal Years)		3,100,000	5,500,000	-	-	-
31	Interest Cost	2.50%	38,750	147,219	-	-	-
32	Unadjusted Ending Balance		$3,138,750	$8,785,969	$ -	$ -	$ -
33	Conversion to Conventional Financing	2019	-	8,785,969	-	-	-
34	Ending Balance for Interest Calculation		$3,138,750	$ -	$ -	$ -	$ -

Table 12a
City of Stuart
Water and Wastewater Rate Study

Summary of Debt Service Sizing and Payments

No.	Description	Percent	Amount
	Debt Proceeds (Anticipated) - Bank Loan Sewer Expansion		
	Projects		
35	Water	0.0%	$0
36	Wastewater	100.0%	767,250
37	Other	0.0%	0
38	Other	0.0%	0
39	Other	0.0%	0
40	Other	0.0%	0
41	Total Projects		$767,250
42	Issuance and Surety Costs		
43	Issuance Costs (%)	2.00%	$19,800
44	Bond Insurance	0.00%	0
45	Surety Costs (%)	0.00%	0
46	Underwriters Discount	0.00%	0
47	Total Issuance Costs	2.00%	$19,800
	Capitalized Interest - CP Used	No	
48	Capitalized Interest 2.0	2.0 yr	59,400
49	Debt Service Reserve Requirement		141,032
50	Principal Amount of Bonds (Rounded)		$990,000
51	Assumed Issue Date		October 1, 2017
	Level Debt Service Payment		
52	Term-Years		10
53	Interest Rate		3.00%
54	First Year of Bond Term (Fiscal Year)		2018
55	First Year of Amortization (Fiscal Year)		2020
56	Interest Only Periods		-
57	Issue Month		10
58	Principal Payment Month		10
59	Annual Payment		$141,032

Amortization

Year	Start Bal	Principal	Interest	Cap Int	Payment	End Bal
2018	990,000	0	29,700	29,700	0	990,000
2019	990,000	0	29,700	29,700	0	990,000
2020	990,000	111,332	29,700	0	141,032	878,668
2021	878,668	114,672	26,360	0	141,032	763,996
2022	763,996	118,112	22,920	0	141,032	645,884
2023	645,884	121,655	19,377	0	141,032	524,229
2024	524,229	125,305	15,727	0	141,032	398,924
2025	398,924	129,064	11,968	0	141,032	269,860
2026	269,860	132,936	8,096	0	141,032	136,924
2027	136,924	136,924	4,108	0	141,032	0

Do Not Delete Lines - For Amortization Purposes

No.				2018	2019	2020	2021	2022
60	Commercial Paper Capitalized Interest Calculation							
61	Beginning Balance			$ -	$ -	$ -	$ -	$ -
62	Construction Fund Draw-down (Cannot Exceed 5 Fiscal Years)			-	-	-	-	-
63	Interest Cost		3.00%	-	-	-	-	-
64	Unadjusted Ending Balance			$ -	$ -	$ -	$ -	$ -
65	Conversion to Conventional Financing	2017		-	-	-	-	-
66	Ending Balance for Interest Calculation			$ -	$ -	$ -	$ -	$ -

Table 12a
City of Stuart
Water and Wastewater Rate Study

Summary of Debt Service Sizing and Payments

No.	Description	Percent	Amount
	Debt Proceeds (Anticipated) - Bank Note Other Capital		
	Projects		
67	Water	19.9%	$254,000
68	Wastewater	80.1%	1,021,000
69	Other	0.0%	0
70	Other	0.0%	0
71	Other	0.0%	0
72	Other	0.0%	0
73	Total Projects		$1,275,000
74	Issuance and Surety Costs		
75	Issuance Costs (%)	2.00%	$32,900
76	Bond Insurance	0.00%	0
77	Surety Costs (%)	0.00%	0
78	Underwriters Discount	0.00%	0
79	Total Issuance Costs	2.00%	$32,900
	Capitalized Interest - CP Used	No	
80	Capitalized Interest	2 2 yr	98,700
81	Debt Service Reserve Requirement		234,341
82	Principal Amount of Bonds (Rounded)		$1,645,000
83	Assumed Issue Date		October 1, 2017
	Level Debt Service Payment		
84	Term-Years		10
85	Interest Rate		3.00%
86	First Year of Bond Term (Fiscal Year)		2018
87	First Year of Amortization (Fiscal Year)		2020
88	Interest Only Periods		-
89	Issue Month		10
90	Principal Payment Month		10
91	Annual Payment		$234,341

Amortization

Year	Start Bal	Principal	Interest	Cap Int	Payment	End Bal
2018	1,645,000	0	49,350	49,350	0	1,645,000
2019	1,645,000	0	49,350	49,350	0	1,645,000
2020	1,645,000	184,991	49,350	0	234,341	1,460,009
2021	1,460,009	190,540	43,800	0	234,341	1,269,469
2022	1,269,469	196,257	38,084	0	234,341	1,073,212
2023	1,073,212	202,144	32,196	0	234,341	871,068
2024	871,068	208,209	26,132	0	234,341	662,859
2025	662,859	214,455	19,886	0	234,341	448,404
2026	448,404	220,889	13,452	0	234,341	227,515
2027	227,515	227,515	6,825	0	234,341	0

Do Not Delete Lines - For Amortization Purposes

No.			
92	Commercial Paper Capitalized Interest Calculation		
93	Beginning Balance		
94	Construction Fund Draw-down (Cannot Exceed 5 Fiscal Years)		
95	Interest Cost		3.00%
96	Unadjusted Ending Balance		
97	Conversion to Conventional Financing	2017	
98	Ending Balance for Interest Calculation		

2018	2019	2020	2021	2022
$ -	$ -	$ -	$ -	$ -
-	-	-	-	-
-	-	-	-	-
$ -	$ -	$ -	$ -	$ -
-	-	-	-	-
$ -	$ -	$ -	$ -	$ -

Table 13
City of Stuart
Water and Wastewater Rate Study

Projected Transfer to Renewal and Replacement Fund

Line No.	Description	Projected Fiscal Year Ending September 30, 2017	2018	2019	2020	2021	2022
	TRANSFER TO RENEWAL & REPLACEMENT FUND						
	Gross Revenues (Previous Year)						
	Existing Rate Revenue						
1	Water Rate Revenues	$4,931,325	$5,311,770	$5,314,734	$5,317,698	$5,320,662	$5,323,626
2	Wastewater Rate Revenues	4,511,950	4,985,412	5,049,022	5,124,661	5,192,994	5,261,326
3	Total Rate Revenues	9,443,275	10,297,182	10,363,756	10,442,359	10,513,656	10,584,952
4	Other Water Operating Revenue and Interest Income	86,525	56,328	58,059	57,108	57,165	57,156
5	Other Wastewater Operating Revenue and Interest Income	168,405	122,872	152,241	151,192	152,135	152,144
6	Total Other Income	254,930	179,200	210,300	208,300	209,300	209,300
7	Total Revenue at Existing Rates	$9,698,205	$10,476,382	$10,574,056	$10,650,659	$10,722,956	$10,794,252
8	Additional Water Rate Revenue from Rate Increases	0	0	372,031	770,493	1,197,416	1,328,433
9	Additional Wastewater Rate Revenue from Rate Increases	0	0	151,471	312,051	481,579	602,885
10	Total Gross Revenue	$9,698,205	$10,476,382	$11,097,558	$11,733,203	$12,401,951	$12,725,569
	Renewal and Replacement Fund						
11	Average Funding Requirement [1]	5.47%	5.00%	5.00%	5.00%	5.00%	5.00%
12	Minimum Funding Requirement	530,339	523,819	554,878	586,660	620,098	636,278
13	Total Deposit	$530,339	$523,819	$554,878	$586,660	$620,098	$636,278
	Allocation of Transfer to Renewal & Replacement Fund						
14	Water System Allocation	51.74%	51.24%	51.77%	52.38%	53.02%	52.72%
15	Wastewater System Allocation	48.26%	48.76%	48.23%	47.62%	46.98%	47.28%
16	Water Deposit	$274,397	$268,405	$287,241	$307,265	$328,762	$335,461
17	Average Funding Requirement [1]	5.47%	5.00%	5.00%	5.00%	5.00%	5.00%
18	Wastewater Deposit	$255,942	$255,414	$267,637	$279,395	$291,335	$300,818
19	Average Funding Requirement [1]	5.47%	5.00%	5.00%	5.00%	5.00%	5.00%
20	Estimated Ending Balance [2]	$980,516	$604,335	$334,213	$496,873	$357,971	$543,249

Footnotes:

[1] Transfer a minimum of five (5) percent of previous years gross revenues into the renewal and replacements fund until the minimum requirement of $1,000,000 as set forth in the bond indenture.

[2] Estimated based on a Flow of Funds Analysis.

Table 14
City of Stuart
Water and Wastewater Rate Study

Projected Intragovernmental Transfer

Line No.	Description	Projected Fiscal Year Ending September 30, 2017	2018	2019	2020	2021	2022
	INTRAGOVERNMENTAL TRANSFER						
	Gross Revenues (Current Year)						
	Existing Rate Revenue						
1	Water Rate Revenues	$5,311,770	$5,314,734	$5,317,698	$5,320,662	$5,323,626	$5,326,590
2	Wastewater Rate Revenues	4,985,412	5,049,022	5,124,661	5,192,994	5,261,326	5,329,659
3	Total Rate Revenues	10,297,182	10,363,756	10,442,359	10,513,656	10,584,952	10,656,249
4	Other Water Operating Revenue and Interest Income	56,328	58,059	57,108	57,165	57,156	57,128
5	Other Wastewater Operating Revenue and Interest Income	122,872	152,241	151,192	152,135	152,144	152,172
6	Total Other Income	179,200	210,300	208,300	209,300	209,300	209,300
7	Total Revenue at Existing Rates	$10,476,382	$10,574,056	$10,650,659	$10,722,956	$10,794,252	$10,865,549
8	Additional Water Rate Revenue from Rate Increases	0	372,031	770,493	1,197,416	1,328,433	1,462,316
9	Additional Wastewater Rate Revenue from Rate Increases	0	151,471	312,051	481,579	602,885	729,507
10	Total Gross Revenue	$10,476,382	$11,097,558	$11,733,203	$12,401,951	$12,725,569	$13,057,372
	Intragovernmental Transfer						
11	Average Funding Requirement	6%	6%	6%	6%	6%	6%
12	Minimum Funding Requirement	$639,169	$665,853	$703,992	$744,117	$763,534	$783,442
	Additional Deposits						
13	Transfer to CRA	40,000	40,000	40,000	40,000	40,000	40,000
14	Other Deposits	0	0	0	0	0	0
15	Total Additional Deposit Requests	40,000	40,000	40,000	40,000	40,000	40,000
16	Total Intragovernmental Transfer	$679,169	$705,853	$743,992	$784,117	$803,534	$823,442
	Allocation of Intragovernmental Transfer						
17	Water System Allocation	51.24%	51.77%	52.38%	53.02%	52.72%	52.43%
18	Wastewater System Allocation	48.76%	48.23%	47.62%	46.98%	47.28%	47.57%
19	Water Transfer	$348,006	$365,396	$389,668	$415,722	$423,642	$431,734
20	Wastewater Transfer	$331,163	$340,457	$354,324	$368,395	$379,892	$391,708

Table 15
City of Stuart
Water and Wastewater Rate Study

Combined Revenue Requirements

Line No.	Description	Projected Fiscal Year Ending September 30, [1] 2017	2018	2019	2020	2021	2022
1	Operating Expenses	$7,140,882	$6,989,897	$7,200,779	$7,708,282	$8,238,429	$8,488,624
2	Plus Allowance for Rebate	0	0	0	0	0	0
3	Total Operating Expenses	$7,140,882	$6,989,897	$7,200,779	$7,708,282	$8,238,429	$8,488,624
	Other Revenue Requirements						
	Debt Service						
4	Existing Debt Service	$2,041,634	$2,036,256	$2,040,341	$2,040,723	$2,038,009	$2,033,716
5	Proposed Debt Service	0	0	0	950,772	950,772	950,772
	Less:						
6	Amount Paid by Impact Fees	(250,000)	(178,000)	(178,000)	(178,000)	(178,000)	(178,000)
7	Total Debt Service	$1,791,634	$1,858,256	$1,862,341	$2,813,496	$2,810,781	$2,806,488
8	Transfer to Renewals & Replacement Fund	$530,339	$523,819	$554,878	$586,660	$620,098	$636,278
9	Capital Funded from Rates	338,000	356,000	362,000	318,000	328,000	338,000
10	Investment in Sewer Expansion Project from Fees	786,350	727,685	865,780	896,756	508,579	620,403
11	Intragovernmental Transfers	679,169	705,853	743,992	784,117	803,534	823,442
12	Operating Reserves - Deposits to/(Uses of)	0	0	0	0	0	0
13	Total Other Revenue Requirements	$4,125,492	$4,171,613	$4,388,991	$5,399,029	$5,070,992	$5,224,611
14	Gross Revenue Requirements	$11,266,374	$11,161,510	$11,589,770	$13,107,311	$13,309,421	$13,713,235
	Less Income and Funds from Other Sources						
15	Other Operating Revenue (Including Reclaimed Water Sales)	$160,200	$195,300	$194,300	$194,300	$194,300	$194,300
16	Other Revenues and Transfers	39,500	38,600	24,000	24,000	24,000	24,000
17	Revenues from Operating Sewer Expansion Fees	86,350	227,685	365,780	396,756	508,579	620,403
18	Unrestricted Interest Income	19,000	15,000	14,000	15,000	15,000	15,000
19	Sub-total Income and Funds from Other Sources	$305,050	$476,585	$598,080	$630,056	$741,879	$853,703
20	Net Revenue Requirements	$10,961,324	$10,684,925	$10,991,690	$12,477,254	$12,567,541	$12,859,532
	Revenue from Water and Wastewater Rates						
21	Existing Retail Rate Revenue	$10,297,182	$10,363,756	$10,442,359	$10,513,656	$10,584,952	$10,656,249
22	Prior Year Rate Adjustments	0	0	525,900	1,087,300	1,685,900	1,939,900
23	Total Rate Revenue Before Current Year Adjustment	$10,297,182	$10,363,756	$10,968,259	$11,600,956	$12,270,852	$12,596,149
24	Total Revenue from Current Year Adjustments	$0	$523,502	$556,644	$591,695	$245,417	$251,923
25	Total Revenue from Rates	$10,297,182	$10,887,258	$11,524,903	$12,192,651	$12,516,269	$12,848,072
25	**Projected Surplus/(Deficiency)**	($664,142)	$202,333	$533,212	($284,603)	($51,272)	($11,460)
26	Surplus/(Deficiency) - Percent of Rate Revenues	(6.45%)	1.86%	4.63%	(2.33%)	(0.41%)	(0.09%)

Table 15
City of Stuart
Water and Wastewater Rate Study

Combined Revenue Requirements

	Proposed Annual Increases (system-wide)	Fiscal Year Ending September 30,					
		2017	2018	2019	2020	2021	2022
27	Water System (Includes Indexing Provision)	N/A	7.0%	7.0%	7.0%	2.0%	2.0%
28	Wastewater System (Includes Indexing Provision)	N/A	3.0%	3.0%	3.0%	2.0%	2.0%
29	Effective	N/A	Oct. 1	Oct. 1	Oct. 1	Oct. 1	Oct. 1
	Proposed Year-end Cash Balances	Fiscal Year Ending September 30,					
		2017	2018	2019	2020	2021	2022
30	Operating Fund	$2,311,835	$2,514,168	$3,047,381	$2,762,777	$2,711,505	$2,700,045
31	Renewal and Replacement Fund	980,516	604,335	334,213	496,873	357,971	543,249
32	Availability Fee Fund	1,736,900	1,745,015	295,642	329,854	397,931	501,872
33	Total Year-end Cash	$5,029,251	$4,863,518	$3,677,235	$3,589,505	$3,467,407	$3,745,166
34	Operating Days of Operating Expenses - Min.	90	90	90	90	90	90
35	Operating Days of Operating Expenses - Calculated	118	131	154	131	120	116
	Projected Net Assets	Fiscal Year Ending September 30,					
36		2017	2018	2019	2020	2021	2022
37	Beginning Unrestricted Balance	$4,808,651	$4,194,556	$4,502,958	$5,357,736	$6,097,419	$6,780,998
38	Revenues	$10,297,182	$10,887,258	$11,524,903	$12,192,651	$12,516,269	$12,848,072
39	Less Expenditures	(10,961,324)	(10,684,925)	(10,991,690)	(12,477,254)	(12,567,541)	(12,859,532)
40	Add Back Capital Expenditures	1,654,689	1,607,504	1,782,658	1,801,416	1,456,677	1,594,681
41	Add Back Debt Service Payments	1,791,634	1,858,256	1,862,341	2,813,496	2,810,781	2,806,488
42	Less Interest Expenses	(833,121)	(796,538)	(760,278)	(1,027,472)	(969,453)	(911,220)
43	Less Allowance for Depreciation & Accrued Adjustments	(2,563,154)	(2,563,154)	(2,563,154)	(2,563,154)	(2,563,154)	(2,563,154)
44	Total Year-end Cash	$4,194,556	$4,502,958	$5,357,736	$6,097,419	$6,780,998	$7,696,333
45	Operating Days of Operating Expenses - Min.	90	90	90	90	90	90
46	Operating Days of Operating Expenses - Calculated	214	235	272	289	300	331

Footnotes:
[1] Amounts derived from Tables 16 and 17.

Table 16
City of Stuart
Water and Wastewater Rate Study

Projected Water Revenue Requirements

Line No.	Description	Projected Fiscal Year Ending September 30, 2017	2018	2019	2020	2021	2022
1	Operating Expenses [1]	$4,214,004	$3,847,153	$3,952,601	$4,350,979	$4,767,588	$4,899,623
2	Plus Allowance for Rebate	0	0	0	0	0	0
3	Total Operating Expenses	$4,214,004	$3,847,153	$3,952,601	$4,350,979	$4,767,588	$4,899,623
	Other Revenue Requirements						
	Debt Service [2]						
4	Existing Debt Service	$1,113,722	$1,106,335	$1,108,377	$1,108,568	$1,107,211	$1,105,065
5	Proposed Debt Service	0	0	0	622,084	622,084	622,084
	Less:						
6	Amount Paid by Impact Fees	(250,000)	0	0	0	0	0
7	Total Debt Service	$863,722	$1,106,335	$1,108,377	$1,730,653	$1,729,295	$1,727,149
8	Transfer to Renewals & Replacement Fund [3]	$274,397	$268,405	$287,241	$307,265	$328,762	$335,461
9	Capital Funded from Rates [4]	232,000	184,000	155,000	159,000	164,000	169,000
10	Investment in Sewer Expansion Project	0	0	0	0	0	0
11	Intragovernmental Transfers	348,006	365,396	389,668	415,722	423,642	431,734
12	Operating Reserves - Deposits to/(Uses of)	0	0	0	0	0	0
13	Total Other Revenue Requirements	$1,718,125	$1,924,135	$1,940,287	$2,612,639	$2,645,699	$2,663,344
14	Gross Revenue Requirements	$5,932,130	$5,771,289	$5,892,887	$6,963,618	$7,413,287	$7,562,967
	Less Income and Funds from Other Sources						
15	Other Operating Revenue [5]	$47,100	$50,875	$50,375	$50,375	$50,375	$50,375
16	Other Revenues and Transfers [5]	19,750	23,300	16,000	16,000	16,000	16,000
17	Revenues from Operating Sewer Expansion Fees	0	0	0	0	0	0
18	Unrestricted Interest Income [6]	9,228	7,184	6,733	6,790	6,781	6,753
19	Sub-total Income and Funds from Other Sources	$76,078	$81,359	$73,108	$73,165	$73,156	$73,128
20	Net Revenue Requirements	$5,856,052	$5,689,930	$5,819,779	$6,890,454	$7,340,132	$7,489,838
	Revenue from Water Rates						
21	Existing Retail Rate Revenue [7]	$5,311,770	$5,314,734	$5,317,698	$5,320,662	$5,323,626	$5,326,590
22	Prior Year Rate Adjustments	0	0	372,200	771,000	1,198,000	1,329,200
23	Total Rate Revenue Before Current Year Adjustment	$5,311,770	$5,314,734	$5,689,898	$6,091,662	$6,521,626	$6,655,790
	System-wide Rate Adjustments						
24	Current Year Rate Adjustment	0.00%	7.00%	7.00%	7.00%	2.00%	2.00%
	Effective Month	Oct.	Oct.	Oct.	Oct.	Oct.	Oct.
25	% of Current Year Effective	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
26	Total Revenue from Current Year Adjustments	$0	$372,031	$398,293	$426,416	$130,433	$133,116
27	Cumulative Rate Adjustments (Excluding Surcharges)	0.00%	7.00%	14.49%	22.50%	24.95%	27.45%
28	Total Revenue from Rates	$5,311,770	$5,686,765	$6,088,191	$6,518,078	$6,652,059	$6,788,906
29	**Projected Surplus/(Deficiency)**	($544,282)	($3,165)	$268,412	($372,375)	($688,073)	($700,933)
30	Surplus/(Deficiency) - Percent of Rate Revenues	(10.25%)	(0.06%)	4.41%	(5.71%)	(10.34%)	(10.32%)

Footnotes continued on the following page.

Table 16
City of Stuart
Water and Wastewater Rate Study

Projected Water Revenue Requirements

Footnotes:

[1] Amounts derived from Table 8.

[2] Amounts derived from Table 12.

[3] Amounts derived from Table 13.

[4] Amounts derived from Table 11 to pay for capital equipment, improvements and extensions as follows:.

	Fiscal Year Ending September 30,					
	2017	2018	2019	2020	2021	2022
Revenues to Fund Vehicles, Equipment & Other Capital Outlay	$232,000	$184,000	$155,000	$159,000	$164,000	$169,000
Revenues to other Lawful Capital Expenditures	0	0	0	0	0	0
Total Capital Funded from Rates	$232,000	$184,000	$155,000	$159,000	$164,000	$169,000

[5] Amounts based on Budget.

[6] Amounts estimated based on the cash flows anticipated for the forecast period.

[7] Amounts derived from Table 3.

Table 17
City of Stuart
Water and Wastewater Rate Study

Projected Wastewater Revenue Requirements

Line No.	Description	Projected Fiscal Year Ending September 30, 2017	2018	2019	2020	2021	2022
1	Operating Expenses [1]	$2,926,878	$3,142,744	$3,248,179	$3,357,303	$3,470,841	$3,589,001
2	Plus Allowance for Rebate	0	0	0	0	0	0
3	Total Operating Expenses	$2,926,878	$3,142,744	$3,248,179	$3,357,303	$3,470,841	$3,589,001
	Other Revenue Requirements						
	Debt Service [2]						
4	Existing Debt Service	$927,912	$929,921	$931,964	$932,155	$930,797	$928,651
5	Proposed Debt Service	0	0	0	328,688	328,688	328,688
	Less:						
6	Amount Paid by Impact Fees	0	(178,000)	(178,000)	(178,000)	(178,000)	(178,000)
7	Total Debt Service	$927,912	$751,921	$753,964	$1,082,843	$1,081,486	$1,079,339
8	Transfer to Renewals & Replacement Fund [3]	$255,942	$255,414	$267,637	$279,395	$291,335	$300,818
9	Capital Funded from Rates [4]	106,000	172,000	207,000	159,000	164,000	169,000
10	Investment in Sewer Expansion Project from Fees	786,350	727,685	865,780	896,756	508,579	620,403
11	Intragovernmental Transfers	331,163	340,457	354,324	368,395	379,892	391,708
12	Operating Reserves - Deposits to/(Uses of)	0	0	0	0	0	0
13	Total Other Revenue Requirements	$2,407,366	$2,247,477	$2,448,704	$2,786,390	$2,425,293	$2,561,268
14	Gross Revenue Requirements	$5,334,244	$5,390,221	$5,696,883	$6,143,692	$5,896,133	$6,150,268
	Less Income and Funds from Other Sources						
15	Other Operating Revenue (Including Reclaimed Water Sales) [5]	$113,100	$144,425	$143,925	$143,925	$143,925	$143,925
16	Other Revenues and Transfers [5]	19,750	15,300	8,000	8,000	8,000	8,000
17	Revenues from Operating Sewer Expansion Fees [6]	86,350	227,685	365,780	396,756	508,579	620,403
18	Unrestricted Interest Income [7]	9,772	7,816	7,267	8,210	8,219	8,247
19	Sub-total Income and Funds from Other Sources	$228,972	$395,226	$524,971	$556,891	$668,724	$780,574
20	Net Revenue Requirements	$5,105,273	$4,994,995	$5,171,911	$5,586,801	$5,227,410	$5,369,694
	Revenue from Wastewater Rates						
21	Existing Retail Rate Revenue [8]	$4,985,412	$5,049,022	$5,124,661	$5,192,994	$5,261,326	$5,329,659
22	Prior Year Rate Adjustments	0	0	153,700	316,300	487,900	610,700
23	Total Rate Revenue Before Current Year Adjustment	$4,985,412	$5,049,022	$5,278,361	$5,509,294	$5,749,226	$5,940,359
	Current Year Rate Adjustments						
24	Current Year Rate Adjustment	0.00%	3.00%	3.00%	3.00%	2.00%	2.00%
	Effective Month	Oct.	Oct.	Oct.	Oct.	Oct.	Oct.
25	% of Current Year Effective	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
26	Total Revenue from Current Year Adjustments	$0	$151,471	$158,351	$165,279	$114,985	$118,807
27	Cumulative Rate Adjustments (Excluding Surcharges)	0.00%	3.00%	6.09%	9.27%	11.46%	13.69%
28	Total Revenue from Rates	$4,985,412	$5,200,493	$5,436,712	$5,674,573	$5,864,211	$6,059,166
29	**Projected Surplus/(Deficiency)**	($119,861)	$205,498	$264,800	$87,772	$636,801	$689,472
30	Surplus/(Deficiency) - Percent of Rate Revenues	(2.40%)	3.95%	4.87%	1.55%	10.86%	11.38%

Footnotes continued on the following page.

Table 17
City of Stuart
Water and Wastewater Rate Study

Projected Wastewater Revenue Requirements

Footnotes:

[1] Amounts derived from Table 9.

[2] Amounts derived from Table 12.

[3] Amounts derived from Table 13.

[4] Amounts derived from Table 11 to pay for capital equipment, improvements and extensions as follows:.

	Fiscal Year Ending September 30,					
	2017	2018	2019	2020	2021	2022
Revenues to Fund Vehicles, Equipment & Other Capital Outlay	$106,000	$172,000	$155,000	$159,000	$164,000	$169,000
Revenues to other Lawful Capital Expenditures	0	0	52,000	0	0	0
Total Capital Funded from Rates	$106,000	$172,000	$207,000	$159,000	$164,000	$169,000

[5] Amounts based on Budget.

[6] Amounts derived from Table 1.

[7] Amounts estimated based on the cash flows anticipated for the forecast period.

[8] Amounts derived from Table 3.

Table 18
City of Stuart
Water & Wastewater Rate Study

Projected Available Fund Balances and Interest Earnings

Line No.	Description	For the Fiscal Years Ending September 30, [1] 2017	2018	2019	2020	2021	2022
	OPERATING FUND (U)						
1	Beginning Balance	$6,062,977	$2,311,835	$2,514,168	$3,047,381	$2,762,777	$2,711,505
2	Transfers In - Rate Revenues	10,297,182	10,887,258	11,524,903	12,192,651	12,516,269	12,848,072
3	Transfers In - Recapture Water Availability Fees for Debt	0	0	0	0	0	0
4	Transfers Out - Net Revenue Requirements	10,961,324	10,684,925	10,991,690	12,477,254	12,567,541	12,859,532
5	Transfers Out - Capital Improvements	3,087,000	0	0	0	0	0
6	Transfers Out - Other	0	0	0	0	0	0
7	End of Year Transfers In (Out)	0	0	0	0	0	0
8	Interest Rate	0.25%	0.25%	0.25%	0.25%	0.25%	0.25%
9	Interest Income	10,000	6,000	7,000	7,000	7,000	7,000
10	Recognition of Interest Earnings in Revenue Requirements	10,000	6,000	7,000	7,000	7,000	7,000
11	Ending Balance	$2,311,835	$2,514,168	$3,047,381	$2,762,777	$2,711,505	$2,700,045
12	Percent Allocable to Water System	51.58%	52.23%	52.83%	53.46%	53.15%	52.84%
13	Amount Allocable to Water System	$5,158	$3,134	$3,698	$3,742	$3,720	$3,699
14	Amount Allocable to Wastewater System	$4,842	$2,866	$3,302	$3,258	$3,280	$3,301
	CUSTOMER DEPOSITS (R)						
15	Beginning Balance	$604,184	$604,184	$604,184	$604,184	$604,184	$604,184
16	Transfers In	0	0	0	0	0	0
17	Transfers Out	0	0	0	0	0	0
18	Interest Rate	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
19	Interest Income	0	0	0	0	0	0
20	Recognition of Interest Earnings in Revenue Requirements	0	0	0	0	0	0
21	Ending Balance	$604,184	$604,184	$604,184	$604,184	$604,184	$604,184
22	Percent Allocable to Water System	64.88%	64.88%	64.88%	64.88%	64.88%	64.88%
23	Amount Allocable to Water System	$0	$0	$0	$0	$0	$0
24	Amount Allocable to Wastewater System	$0	$0	$0	$0	$0	$0
	SINKING FUND (U)						
	Sinking Fund Deposit:						
25	Existing Debt	$2,041,634	$2,036,256	$2,040,341	$2,040,723	$2,038,009	$2,033,716
26	Proposed Debt	0	0	0	950,772	950,772	950,772
27	Average Balance	$1,020,817	$1,018,128	$1,020,171	$1,495,748	$1,494,390	$1,492,244
28	Interest Rate	0.25%	0.25%	0.25%	0.25%	0.25%	0.25%
29	Interest Income	$3,000	$3,000	$3,000	$4,000	$4,000	$4,000
30	Recognition of Interest Earnings in Revenue Requirements	3,000	3,000	3,000	4,000	4,000	4,000
31	Percent Allocable to Water System	54.55%	54.33%	54.32%	57.85%	57.86%	57.87%
32	Amount Allocable to Water System	$2,000	$2,000	$2,000	$2,000	$2,000	$2,000
33	Amount Allocable to Wastewater System	$1,000	$1,000	$1,000	$2,000	$2,000	$2,000
	RENEWAL & REPLACEMENT INVESTMENT (U)						
34	Beginning Balance	$450,177	$980,516	$604,335	$334,213	$496,873	$357,971
35	Transfers In	530,339	523,819	554,878	586,660	620,098	636,278
36	Transfers In - Other	0	0	0	0	0	0
37	Transfers Out	0	900,000	825,000	424,000	759,000	451,000
38	Interest Rate	0.50%	0.50%	0.50%	0.50%	0.50%	0.50%
39	Interest Income	4,000	4,000	2,000	2,000	2,000	2,000
40	Recognition of Interest Earnings in Revenue Requirements	4,000	4,000	2,000	2,000	2,000	2,000
41	Ending Balance	$980,516	$604,335	$334,213	$496,873	$357,971	$543,249
42	Percent Allocable to Water System	51.74%	51.24%	51.77%	52.38%	53.02%	52.72%
43	Amount Allocable to Water System	$2,070	$2,050	$1,035	$1,048	$1,060	$1,054
44	Amount Allocable to Wastewater System	$1,930	$1,950	$965	$952	$940	$946

Table 18
City of Stuart
Water & Wastewater Rate Study

Projected Available Fund Balances and Interest Earnings

Line No.	Description		For the Fiscal Years Ending September 30, [1] 2017	2018	2019	2020	2021	2022
	SEWER EXPANSION CONSTRUCTION FUND	(R)						
45	Beginning Balance		$0	$45,550	$156,435	$227,415	$399,371	$158,150
46	Transfers In - Sewer Availability Fees		0	0	0	0	0	0
47	Transfers In - Existing Sewer Expansion Assessments		133,200	133,200	133,200	133,200	133,200	133,200
48	Transfers In - Operations		786,350	727,685	865,780	896,756	508,579	620,403
49	Transfers Out		874,000	750,000	928,000	859,000	884,000	911,000
50	Arbitrage Interest Rate		0.25%	0.25%	0.25%	0.25%	0.25%	0.25%
51	Interest Income (3)		0	0	0	1,000	1,000	0
52	Recognition of Interest Earnings in Revenue Requirements		0	0	0	0	0	0
53	Ending Balance		$45,550	$156,435	$227,415	$399,371	$158,150	$753
54	Percent Allocable to Water System		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
55	Amount Allocable to Water System		$0	$0	$0	$0	$0	$0
56	Amount Allocable to Wastewater System		$0	$0	$0	$1,000	$1,000	$0
	SRF RESERVE	(R)						
57	Beginning Balance		$181,838	$181,838	$181,838	$181,838	$181,838	$181,838
58	Transfers In		0	0	0	0	0	0
59	Transfers Out		0	0	0	0	0	0
60	Interest Rate		1.00%	1.00%	1.00%	1.00%	1.00%	1.00%
61	Interest Income		2,000	2,000	2,000	2,000	2,000	2,000
62	Recognition of Interest Earnings in Revenue Requirements		2,000	2,000	2,000	2,000	2,000	2,000
63	Ending Balance		$181,838	$181,838	$181,838	$181,838	$181,838	$181,838
64	Percent Allocable to Water System		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
65	Amount Allocable to Water System		$0	$0	$0	$0	$0	$0
66	Amount Allocable to Wastewater System		$2,000	$2,000	$2,000	$2,000	$2,000	$2,000
	WATER AVAILABILTY FEES	(R)						
67	Beginning Balance		$1,755,059	$1,540,389	$1,575,719	$103,049	$123,379	$143,709
68	Transfers In		19,330	19,330	19,330	19,330	19,330	19,330
69	Transfers Out		250,000	0	1,500,000	0	0	0
70	Transfer Out - Reimburse Operating Fund for Debt		0	0	0	0	0	0
71	Interest Rate		1.00%	1.00%	1.00%	1.00%	1.00%	1.00%
72	Interest Income		16,000	16,000	8,000	1,000	1,000	2,000
73	Recognition of Interest Earnings in Revenue Requirements		0	0	0	0	0	0
74	Ending Balance		$1,540,389	$1,575,719	$103,049	$123,379	$143,709	$165,039
75	Percent Allocable to Water System		100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
76	Amount Allocable to Water System		$16,000	$16,000	$8,000	$1,000	$1,000	$2,000
77	Amount Allocable to Wastewater System		$0	$0	$0	$0	$0	$0
	SEWER AVAILABILTY FEES	(R)						
78	Beginning Balance		$101,641	$196,511	$169,296	$192,593	$206,475	$254,222
79	Transfers In		20,920	20,920	20,920	20,920	20,920	20,920
80	Transfers In - Existing Sewer Expansion Assessments		46,800	46,800	46,800	46,800	46,800	46,800
81	Transfers In - New Sewer Expansion Fees		26,150	81,065	131,577	122,163	156,027	189,891
82	Transfers Out		0	178,000	178,000	178,000	178,000	178,000
83	Transfer Out - Sewer Expansion Project		0	0	0	0	0	0
84	Transfers Out - Sewer Incentive Credits		0	0	0	0	0	0
85	Interest Rate		1.00%	1.00%	1.00%	1.00%	1.00%	1.00%
86	Interest Income		1,000	2,000	2,000	2,000	2,000	3,000
87	Recognition of Interest Earnings in Revenue Requirements		0	0	0	0	0	0
88	Ending Balance		$196,511	$169,296	$192,593	$206,475	$254,222	$336,833
89	Percent Allocable to Water System		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
90	Amount Allocable to Water System		0	0	0	0	0	0
91	Amount Allocable to Wastewater System		1,000	2,000	2,000	2,000	2,000	3,000

Table 18
City of Stuart
Water & Wastewater Rate Study

Projected Available Fund Balances and Interest Earnings

Line No.	Description	For the Fiscal Years Ending September 30, [1] 2017	2018	2019	2020	2021	2022
	INTEREST INCOME						
	Unrestricted						
92	Water System	$9,228	$7,184	$6,733	$6,790	$6,781	$6,753
93	Wastewater System	9,772	7,816	7,267	8,210	8,219	8,247
94	Total	$19,000	$15,000	$14,000	$15,000	$15,000	$15,000
	Availability Fees						
95	Water System	$16,000	$16,000	$8,000	$1,000	$1,000	$2,000
96	Wastewater System	1,000	2,000	2,000	2,000	2,000	3,000
97	Total	$17,000	$18,000	$10,000	$3,000	$3,000	$5,000
	Sewer Expansion Construction Fund						
98	Water System	$0	$0	$0	$0	$0	$0
99	Wastewater System	0	0	0	1,000	1,000	0
100	Total	$0	$0	$0	$1,000	$1,000	$0
	TOTAL INTEREST INCOME						
101	Water System	$25,228	$23,184	$14,733	$7,790	$7,781	$8,753
102	Wastewater System	10,772	9,816	9,267	11,210	11,219	11,247
103	Total	$36,000	$33,000	$24,000	$19,000	$19,000	$20,000

Notes:
[1] (U) = Interest Earnings unrestricted, assumed available to meet system expenditure requirements
(R) = Interest Earnings restricted, assumed not available to meet system expenditure requirements

Table 19
City of Stuart
Water and Wastewater Rate Study

Projected Debt Service Coverage

Line No.	Description	Fiscal Year Ending September 30, [1] 2017	2018	2019	2020	2021	2022
	PROJECTED NET REVENUES						
	System Revenues						
	Sales Revenues						
1	Water - Existing Rate Revenues	$5,311,770	$5,314,734	$5,317,698	$5,320,662	$5,323,626	$5,326,590
2	Wastewater - Existing Rate Revenues	4,985,412	5,049,022	5,124,661	5,192,994	5,261,326	5,329,659
3	Additional Rate Revenues - Water System	0	372,031	770,493	1,197,416	1,328,433	1,462,316
4	Additional Rate Revenues - Wastewater System	0	151,471	312,051	481,579	602,885	729,507
5	Total	$10,297,182	$10,887,258	$11,524,903	$12,192,651	$12,516,269	$12,848,072
6	Other Operating Revenue	160,200	195,300	194,300	194,300	194,300	194,300
7	Unrestricted Interest Income	19,000	15,000	14,000	15,000	15,000	15,000
8	Total System Revenues (Excluding Operating Sewer Expansion Fe	$10,476,382	$11,097,558	$11,733,203	$12,401,951	$12,725,569	$13,057,372
	Operating Expenses						
9	Water System	$4,214,004	$3,847,153	$3,952,601	$4,350,979	$4,767,588	$4,899,623
10	Wastewater System	2,926,878	3,142,744	3,248,179	3,357,303	3,470,841	3,589,001
11	Plus Allowance for Rebate	0	0	0	0	0	0
12	Less Contra Expense	(14,600)	0	0	0	0	0
13	Total Operating Expenses	$7,126,282	$6,989,897	$7,200,779	$7,708,282	$8,238,429	$8,488,624
14	**Net Revenues (Excluding Operating Sewer Expansion Fees)**	$3,350,100	$4,107,661	$4,532,423	$4,693,669	$4,487,140	$4,568,748
15	Operating Sewer Expansion Fees Revenues	$86,350	$227,685	$365,780	$396,756	$508,579	$620,403
16	**Net Revenues (Including Operating Sewer Expansion Fees)**	$3,436,450	$4,335,346	$4,898,203	$5,090,425	$4,995,720	$5,189,151
17	**Total System Debt Service (Senior & Junior Lien Debt)**	$2,041,634	$2,036,256	$2,040,341	$2,991,496	$2,988,781	$2,984,488

Table 19
City of Stuart
Water and Wastewater Rate Study

Projected Debt Service Coverage

Line No.	Description	Fiscal Year Ending September 30, [1] 2017	2018	2019	2020	2021	2022
	Projected Debt Service Coverage (Senior & Junior Lien Debt)						
	Excluding Operating Sewer Expansion Fees Revenues						
18	Coverage - Calculated	164%	202%	222%	157%	150%	153%
	Including Operating Sewer Expansion Fees Revenues						
19	Coverage - Calculated	168%	213%	240%	170%	167%	174%
	Projected Debt Service Coverage (Senior Lien Debt Only) [2]						
	Senior Lien Debt Service						
20	Series 2003 Bonds (Unrefunded)	$469,800	$0	$0	$0	$0	$0
21	Series 2006 Refunding Notes	343,393	343,430	342,426	343,289	343,378	343,254
22	Series 2007A Refunding Notes	315,701	780,387	785,938	785,080	783,083	778,883
23	Series 2011 Refunding Notes	380,217	379,917	379,455	379,832	379,025	379,057
24	Total Senior Lien Debt Service	$1,509,111	$1,503,733	$1,507,819	$1,508,201	$1,505,486	$1,501,193
	Excluding Operating Sewer Expansion Fees Revenues						
25	Coverage - Calculated	222%	273%	301%	311%	298%	304%
26	Coverage - Minimum Required	110%	110%	110%	110%	110%	110%
	Including Operating Sewer Expansion Fees Revenues						
27	Coverage - Calculated	228%	288%	325%	338%	332%	346%
28	Coverage - Minimum Required	110%	110%	110%	110%	110%	110%

Table 19
City of Stuart
Water and Wastewater Rate Study

Projected Debt Service Coverage

Line No.	Description	Fiscal Year Ending September 30, [1] 2017	2018	2019	2020	2021	2022
	Projected Debt Service Coverage (Junior Lien Debt Only) [3]						
29	Total Senior Lien Debt Service (Including Coverage)	$1,660,023	$1,654,107	$1,658,601	$1,659,021	$1,656,035	$1,651,313
30	Plus Availability Fee Revenues (Including Interest Income)	$83,400	$139,315	$181,827	$165,413	$199,277	$235,141
31	**Net Revenues (Excluding Operating Sewer Expansion Fees)**	$1,773,477	$2,592,869	$3,055,649	$3,200,061	$3,030,382	$3,152,577
32	**Net Revenues (Including Operating Sewer Expansion Fees)**	$1,859,827	$2,820,554	$3,421,429	$3,596,817	$3,538,962	$3,772,979
	Junior Lien Debt Service (SRF Loans)						
33	SRF WW 430400	$178,054	$178,054	$178,054	$178,054	$178,054	$178,054
34	SRF DW 430410	354,468	354,468	354,468	354,468	354,468	354,468
35	Debt Proceeds (Anticipated) - Proposed SRF Loan	0	0	0	575,400	575,400	575,400
36	Debt Proceeds (Anticipated) - Bank Loan Sewer Expansion	0	0	0	141,032	141,032	141,032
37	Debt Proceeds (Anticipated) - Bank Note Other Capital	0	0	0	234,341	234,341	234,341
38	0	0	0	0	0	0	0
39	Total Junior Lien Debt Service	$532,522	$532,522	$532,522	$1,483,295	$1,483,295	$1,483,295
	Excluding Operating Sewer Expansion Fees Revenues						
40	Coverage - Calculated	333%	487%	574%	216%	204%	213%
41	Coverage - Minimum Required	115%	115%	115%	115%	115%	115%
	Including Operating Sewer Expansion Fees Revenues						
42	Coverage - Calculated	349%	530%	642%	242%	239%	254%
43	Coverage - Minimum Required	115%	115%	115%	115%	115%	115%

Table 19
City of Stuart
Water and Wastewater Rate Study

Projected Debt Service Coverage

Line No.	Description	Fiscal Year Ending September 30, [1] 2017	2018	2019	2020	2021	2022
	OTHER LAWFUL SOURCES AND USES OF FUNDS						
	Sources of Cash						
44	Other Revenues and Transfers	$24,900	$38,600	$24,000	$24,000	$24,000	$24,000
	Operating Sewer Expansion Fees Revenues	86,350	227,685	365,780	396,756	508,579	620,403
45	Availability Fees used to Pay Debt Service	250,000	178,000	178,000	178,000	178,000	178,000
46	Total Sources of Cash	$361,250	$444,285	$567,780	$598,756	$710,579	$822,403
	Uses of cash						
47	Transfer to Renewals and Replacements Fund	$530,339	$523,819	$554,878	$586,660	$620,098	$636,278
48	Capital Funded from Rates	338,000	356,000	362,000	318,000	328,000	338,000
49	Intragovernmental Transfers	786,350	727,685	865,780	896,756	508,579	620,403
50	Investment in Sewer Expansion Project	679,169	705,853	743,992	784,117	803,534	823,442
51	Total Uses of Cash	$2,333,858	$2,313,357	$2,526,650	$2,585,533	$2,260,211	$2,418,123
	NET CASH FLOW						
52	Net Revenues Available for Debt Service	$3,350,100	$4,107,661	$4,532,423	$4,693,669	$4,487,140	$4,568,748
53	Less Annual Debt Service Payments	(2,041,634)	(2,036,256)	(2,040,341)	(2,991,496)	(2,988,781)	(2,984,488)
54	Net Amount Available from Rates for Other Purposes	$1,308,466	$2,071,405	$2,492,082	$1,702,174	$1,498,359	$1,584,260
55	Plus Other Sources of Cash	361,250	444,285	567,780	598,756	710,579	822,403
56	Less Other Uses of Cash	(2,333,858)	(2,313,357)	(2,526,650)	(2,585,533)	(2,260,211)	(2,418,123)
57	Total Net Cash Flow - Increases to Cash (Decreases to Cash)	($664,142)	$202,333	$533,212	($284,603)	($51,272)	($11,460)

Table 19
City of Stuart
Water and Wastewater Rate Study

Projected Debt Service Coverage

Line No.	Description	Fiscal Year Ending September 30, [1] 2017	2018	2019	2020	2021	2022

Footnotes:

[1] Amounts derived from Table 15.
[2] As required by the bond resolution.
[3] As required by the SRF Loan Agreement.

Table 20
City of Stuart
Water and Wastewater Rate Study

Proposed Water Rates

Line No.	Description	Proposed Water Rate Structure [1] Existing	Oct. 1, 2017	Oct. 1, 2018	Oct. 1, 2019	Oct. 1, 2020	Oct. 1, 2021
	WATER SYSTEM						
1	Proposed Water Rate Increase	N/A	7.00%	7.00%	7.00%	2.00%	2.00%
	RESIDENTIAL - DOMESTIC INSIDE						
2	Monthly Consumer Charge (per Account)	$1.71	$1.83	$1.96	$2.10	$2.14	$2.18
3	Monthly Base Charges (All Meter Sizes)	$12.27	$13.13	$14.05	$15.03	$15.33	$15.64
	Monthly Volume Charge						
4	1 - 4,000	$2.68	$2.87	$3.07	$3.28	$3.35	$3.42
5	4,001 - 8,000	$2.81	$3.01	$3.22	$3.45	$3.52	$3.59
6	8,001 - 12,000	$4.84	$5.18	$5.54	$5.93	$6.05	$6.17
7	12,001 - 25,000	$5.65	$6.05	$6.47	$6.92	$7.06	$7.20
8	25,001 and above	$6.44	$6.89	$7.37	$7.89	$8.05	$8.21
	RESIDENTIAL - IRRIGATION INSIDE						
9	Monthly Consumer Charge (per Account)	$1.71	$1.83	$1.96	$2.10	$2.14	$2.18
10	Monthly Base Charges (All Meter Sizes)	$12.27	$13.13	$14.05	$15.03	$15.33	$15.64
	Monthly Volume Charge						
11	1 - 13,000 [2]	$5.65	$6.05	$6.47	$6.92	$7.06	$7.20
12	13,001 and above [2]	$6.44	$6.89	$7.37	$7.89	$8.05	$8.21
13	RESIDENTIAL - OUTSIDE	125%	125%	125%	125%	125%	125%
	MULTI-FAMILY - DOMESTIC INSIDE						
14	Monthly Consumer Charge (per Account)	$1.71	$1.83	$1.96	$2.10	$2.14	$2.18
15	Monthly Base Charges (per Unit) [3]	$9.21	$9.85	$10.54	$11.28	$11.51	$11.74
	Monthly Volume Charge (per Unit)						
16	1 - 3,000 [3]	$2.68	$2.87	$3.07	$3.28	$3.35	$3.42
17	3,001 - 6,000 [3]	$2.81	$3.01	$3.22	$3.45	$3.52	$3.59
18	6,001 - 9,000 [3]	$4.84	$5.18	$5.54	$5.93	$6.05	$6.17
19	9,001 - 18,500 [3]	$5.65	$6.05	$6.47	$6.92	$7.06	$7.20
20	18,501 and above [3]	$6.44	$6.89	$7.37	$7.89	$8.05	$8.21
21	MULTI-FAMILY - DOMESTIC OUTSIDE	125%	125%	125%	125%	125%	125%

Table 20
City of Stuart
Water and Wastewater Rate Study

Proposed Water Rates

Line No.	Description	Proposed Water Rate Structure [1] Existing	Oct. 1, 2017	Oct. 1, 2018	Oct. 1, 2019	Oct. 1, 2020	Oct. 1, 2021
	COMMERCIAL - DOMESTIC INSIDE						
22	Monthly Consumer Charge (per Account)	$1.71	$1.83	$1.96	$2.10	$2.14	$2.18
	Monthly Base Charges						
23	5/8"x3/4" Commercial	$12.27	$13.13	$14.05	$15.03	$15.33	$15.64
24	1" Commercial	$30.68	$32.83	$35.13	$37.59	$38.34	$39.11
25	1 1/2" Commercial	$71.15	$76.13	$81.46	$87.16	$88.90	$90.68
26	2" Commercial	$98.15	$105.02	$112.37	$120.24	$122.64	$125.09
27	3" Commercial	$184.02	$196.90	$210.68	$225.43	$229.94	$234.54
28	4" Commercial	$306.72	$328.19	$351.16	$375.74	$383.25	$390.92
29	6" Commercial	$613.43	$656.37	$702.32	$751.48	$766.51	$781.84
30	8" Commercial	$981.49	$1,050.19	$1,123.70	$1,202.36	$1,226.41	$1,250.94
31	10" Commercial	$1,410.88	$1,509.64	$1,615.31	$1,728.38	$1,762.95	$1,798.21
	Monthly Volume Charge						
32	All Consumption	$3.42	$3.66	$3.92	$4.19	$4.27	$4.36
33	COMMERCIAL - DOMESTIC OUTSIDE	125%	125%	125%	125%	125%	125%
	NON-RESIDENTIAL - IRRIGATION INSIDE						
34	Monthly Consumer Charge (per Account)	$1.71	$1.83	$1.96	$2.10	$2.14	$2.18
	Monthly Base Charges						
35	5/8"x3/4" Commercial	$12.27	$13.13	$14.05	$15.03	$15.33	$15.64
36	1" Commercial	$30.68	$32.83	$35.13	$37.59	$38.34	$39.11
37	1 1/2" Commercial	$71.15	$76.13	$81.46	$87.16	$88.90	$90.68
38	2" Commercial	$98.15	$105.02	$112.37	$120.24	$122.64	$125.09
39	3" Commercial	$184.02	$196.90	$210.68	$225.43	$229.94	$234.54
40	4" Commercial	$306.72	$328.19	$351.16	$375.74	$383.25	$390.92
41	6" Commercial	$613.43	$656.37	$702.32	$751.48	$766.51	$781.84
42	8" Commercial	$981.49	$1,050.19	$1,123.70	$1,202.36	$1,226.41	$1,250.94
43	10" Commercial	$1,410.88	$1,509.64	$1,615.31	$1,728.38	$1,762.95	$1,798.21
	Monthly Volume Charge						
44	1 - _____ [*] [2]	$5.65	$6.05	$6.47	$6.92	$7.06	$7.20
45	__,001 and above [*] [3]	$6.44	$6.89	$7.37	$7.89	$8.05	$8.21
	[*] Amount based on Meter Size, ERC Factor multiplied by 13,000 gallons.						
46	NON-RESIDENTIAL - IRRIGATION OUTSIDE	125%	125%	125%	125%	125%	125%

Footnotes:

[1] Proposed rates based on the City's Water and Wastewater Rate Study and are effective for bills rendered on or after October 1 of each fiscal year.

[2] Such amounts are intended to equal the monthly volume charges associated with Blocks 3 & 4 of the Residential Domestic Water Rate, which provides a comparable fee based on the use of water resources. This is based on our assumption that essential indoor use reflects consumption up to 8,000 gallons per month with additional discretionary indoor water use of 4,000 gallons. Comparably the Residential Wastewater Rate structure caps wastewater charges at 12,000 gallons which implies that such additional use is not intended for indoor purposes.

[3] Amounts reflect 0.75 ERCs per multi-family unit.

Table 21
City of Stuart
Water and Wastewater Rate Study

Proposed Wastewater Rates

Line No.	Description	Proposed Wastewater Rate Structure [1] Existing	Oct. 1, 2017	Oct. 1, 2018	Oct. 1, 2019	Oct. 1, 2020	Oct. 1, 2021
	WASTEWATER SYSTEM						
1	Proposed Wastewater Rate Increase	N/A	3.00%	3.00%	3.00%	2.00%	2.00%
	RESIDENTIAL						
2	Monthly Consumer Charge (per Account)	$1.18	$1.22	$1.26	$1.30	$1.33	$1.36
3	Monthly Base Charges (All Meter Sizes)	$6.51	$6.71	$6.91	$7.12	$7.26	$7.41
	Monthly Volume Charge						
4	1 - 12,000	$6.36	$6.55	$6.75	$6.95	$7.09	$7.23
5	12,001 and above	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
6	RESIDENTIAL - OUTSIDE	125%	125%	125%	125%	125%	125%
	MULTI-FAMILY						
7	Monthly Consumer Charge (per Account)	$1.18	$1.22	$1.26	$1.30	$1.33	$1.36
8	Monthly Base Charges (per Unit) [2]	$4.84	$4.99	$5.14	$5.29	$5.40	$5.51
	Monthly Volume Charge (per Unit)						
9	1 - 8,800 [2]	$6.36	$6.55	$6.75	$6.95	$7.09	$7.23
10	8,801 and above [2]	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
11	MULTI-FAMILY - OUTSIDE	125%	125%	125%	125%	125%	125%

Table 21
City of Stuart
Water and Wastewater Rate Study

Proposed Wastewater Rates

Line No.	Description	Proposed Wastewater Rate Structure [1] Existing	Oct. 1, 2017	Oct. 1, 2018	Oct. 1, 2019	Oct. 1, 2020	Oct. 1, 2021
	COMMERCIAL						
12	Monthly Consumer Charge (per Account)	$1.18	$1.22	$1.26	$1.30	$1.33	$1.36
	Monthly Base Charges						
13	5/8"x3/4" Commercial	$6.51	$6.71	$6.91	$7.12	$7.26	$7.41
14	1" Commercial	$16.28	$16.77	$17.27	$17.79	$18.15	$18.51
15	1 1/2" Commercial	$37.73	$38.86	$40.03	$41.23	$42.05	$42.89
16	2" Commercial	$52.04	$53.60	$55.21	$56.87	$58.01	$59.17
17	3" Commercial	$97.56	$100.49	$103.50	$106.61	$108.74	$110.91
18	4" Commercial	$162.60	$167.48	$172.50	$177.68	$181.23	$184.85
19	6" Commercial	$352.21	$362.78	$373.66	$384.87	$392.57	$400.42
20	8" Commercial	$520.34	$535.95	$552.03	$568.59	$579.96	$591.56
21	10" Commercial	$747.99	$770.43	$793.54	$817.35	$833.70	$850.37
	Monthly Volume Charge						
22	All Consumption	$6.36	$6.55	$6.75	$6.95	$7.09	$7.23
23	COMMERCIAL - OUTSIDE	125%	125%	125%	125%	125%	125%

Footnotes:

[1] Proposed rates based on the City's Water and Wastewater Rate Study and are effective for bills rendered on or after October 1 of each fiscal year.

[2] Amounts reflect 0.75 ERCs per multi-family unit.

Table 22
City of Stuart
Water and Wastewater Rate Study

Comparison of Typical Monthly Residential Bills For Water Service [1]

Line No.	Description	Residential Service for a 5/8" or 3/4" Meter 0 Gallons	3,000 Gallons	7,000 Gallons	12,000 Gallons	25,000 Gallons	35,000 Gallons	50,000 Gallons	75,000 Gallons
	City of Stuart								
1	Existing Rates	$13.98	$22.02	$33.13	$55.30	$128.75	$193.15	$289.75	$450.75
2	Proposed Rates - October 1, 2017	14.96	23.57	35.47	59.20	137.85	206.75	310.10	482.35
3	Proposed Rates - October 1, 2018	16.01	25.22	37.95	63.33	147.44	221.14	331.69	515.94
4	Proposed Rates - October 1, 2019	17.13	26.97	40.60	67.77	157.73	236.63	354.98	552.23
5	Proposed Rates - October 1, 2020	17.47	27.52	41.43	69.15	160.93	241.43	362.18	563.43
6	Proposed Rates - October 1, 2021	17.82	28.08	42.27	70.54	164.14	246.24	369.39	574.64
	Other Florida Utilities:								
7	Brevard County	$14.95	$14.95	$33.67	$65.51	$184.66	$317.36	$516.41	$848.16
8	City of Port St. Lucie	10.35	22.74	41.78	68.73	154.92	221.22	320.67	486.42
9	City of Vero Beach	13.60	16.09	23.31	37.21	101.15	163.70	267.95	441.70
10	City of West Melbourne	13.88	32.63	58.63	92.98	185.93	257.43	364.68	543.43
11	Fort Pierce Utilities Authority	13.88	24.53	38.73	58.26	124.88	178.18	258.13	391.38
12	Indian River County	9.05	15.65	25.33	44.58	140.83	217.83	333.33	525.83
13	Martin County	16.83	23.31	31.95	44.53	92.78	140.48	212.03	331.28
14	Martin County (Proposed FY18)	17.05	23.62	32.38	45.13	94.00	142.30	214.75	335.50
14	Seacoast Utility Authority	20.09	23.15	30.22	50.27	102.40	152.60	243.05	393.80
15	St. Lucie County	22.25	32.90	52.52	87.90	209.60	306.40	451.60	693.60
16	Other Florida Utilities' Average	$15.19	$22.96	$36.85	$59.51	$139.12	$209.75	$318.26	$499.11

[1] Unless otherwise noted, amounts shown reflect residential rates in effect April 2017 and are exclusive of taxes or franchise fees, if any, and reflec rates charged for inside the city service. All rates are as reported by the respective utility. This comparison is intended to show comparable charg for similar service for comparison purposes only and is not intended to be a complete listing of all rates and charges offered by each listed utility

[2] Utility is currently involved in a rate study, or is planning one within the next few months.

Table 23
City of Stuart
Water and Wastewater Rate Study

Comparison of Typical Monthly Residential Bills For Wastewater Service [1]

Line No.	Description	Residential Service for a 5/8" or 3/4" Meter 0 Gallons	3,000 Gallons	7,000 Gallons	12,000 Gallons	25,000 Gallons	35,000 Gallons	50,000 Gallons	75,000 Gallons
	City of Stuart								
1	Existing Rates	$7.69	$26.77	$52.21	$84.01	$84.01	$84.01	$84.01	$84.01
2	Proposed Rates - October 1, 2017	7.93	27.58	53.78	86.53	86.53	86.53	86.53	86.53
3	Proposed Rates - October 1, 2018	8.17	28.42	55.42	89.17	89.17	89.17	89.17	89.17
4	Proposed Rates - October 1, 2019	8.42	29.27	57.07	91.82	91.82	91.82	91.82	91.82
5	Proposed Rates - October 1, 2020	8.59	29.86	58.22	93.67	93.67	93.67	93.67	93.67
6	Proposed Rates - October 1, 2021	8.77	30.46	59.38	95.53	95.53	95.53	95.53	95.53
	Other Florida Utilities:								
7	Brevard County	$19.25	$31.46	$47.74	$68.09	$68.09	$68.09	$68.09	$68.09
8	City of Port St. Lucie	15.22	36.64	65.20	72.34	72.34	72.34	72.34	72.34
9	City of Vero Beach	19.89	30.66	45.02	55.79	55.79	55.79	55.79	55.79
10	City of West Melbourne	13.87	28.66	48.38	73.03	137.12	186.42	260.37	383.62
11	Fort Pierce Utilities Authority	15.30	31.77	53.73	70.20	70.20	70.20	70.20	70.20
12	Indian River County	14.58	23.16	34.60	48.90	48.90	48.90	48.90	48.90
13	Martin County	17.45	30.23	47.27	60.05	60.05	60.05	60.05	60.05
14	Martin County (Proposed FY18)	17.68	30.61	47.85	60.78	60.78	60.78	60.78	60.78
15	Seacoast Utility Authority	29.35	31.39	34.11	36.15	36.15	36.15	36.15	36.15
16	St. Lucie County	23.61	44.88	73.24	94.51	94.51	94.51	94.51	94.51
17	Other Florida Utilities' Average	$18.62	$31.95	$49.71	$63.98	$70.39	$75.32	$82.72	$95.04

[1] Unless otherwise noted, amounts shown reflect residential rates in effect April 2017 and are exclusive of taxes or franchise fees, if any, and reflec rates charged for inside the city service. All rates are as reported by the respective utility. This comparison is intended to show comparable charge for similar service for comparison purposes only and is not intended to be a complete listing of all rates and charges offered by each listed utility

[2] Utility is currently involved in a rate study, or is planning one within the next few months.

Table 24
City of Stuart
Water and Wastewater Rate Study

Comparison of Typical Monthly Residential Bills For Combined Water and Wastewater Service [1]

Line No.	Description	Residential Service for a 5/8" or 3/4" Meter							
		0 Gallons	3,000 Gallons	7,000 Gallons	12,000 Gallons	25,000 Gallons	35,000 Gallons	50,000 Gallons	75,000 Gallons
	City of Stuart								
1	Existing Rates	$21.67	$48.79	$85.34	$139.31	$212.76	$277.16	$373.76	$534.76
2	Proposed Rates - October 1, 2017	22.89	51.15	89.25	145.73	224.38	293.28	396.63	568.88
3	Proposed Rates - October 1, 2018	24.18	53.64	93.37	152.50	236.61	310.31	420.86	605.11
4	Proposed Rates - October 1, 2019	25.55	56.24	97.67	159.59	249.55	328.45	446.80	644.05
5	Proposed Rates - October 1, 2020	26.06	57.38	99.65	162.82	254.60	335.10	455.85	657.10
6	Proposed Rates - October 1, 2021	26.59	58.54	101.65	166.07	259.67	341.77	464.92	670.17
	Other Florida Utilities:								
7	Brevard County	$34.20	$46.41	$81.41	$133.60	$252.75	$385.45	$584.50	$916.25
8	City of Port St. Lucie	25.57	59.38	106.98	141.07	227.26	293.56	393.01	558.76
9	City of Vero Beach	33.49	46.75	68.33	93.00	156.94	219.49	323.74	497.49
10	City of West Melbourne	27.75	61.29	107.01	166.01	323.05	443.85	625.05	927.05
11	Fort Pierce Utilities Authority	29.18	56.30	92.46	128.46	195.08	248.38	328.33	461.58
12	Indian River County	23.63	38.81	59.93	93.48	189.73	266.73	382.23	574.73
13	Martin County	34.28	53.54	79.22	104.58	152.83	200.53	272.08	391.33
14	Martin County (Proposed FY18)	34.73	54.23	80.23	105.91	154.78	203.08	275.53	396.28
15	Seacoast Utility Authority	49.44	54.54	64.33	86.42	138.55	188.75	279.20	429.95
16	St. Lucie County	45.86	77.78	125.76	182.41	304.11	400.91	546.11	788.11
17	Other Florida Utilities' Average	$33.81	$54.90	$86.57	$123.49	$209.51	$285.07	$400.98	$594.15

[1] Unless otherwise noted, amounts shown reflect residential rates in effect April 2017 and are exclusive of taxes or franchise fees, if any, and reflec rates charged for inside the city service. All rates are as reported by the respective utility. This comparison is intended to show comparable charge for similar service for comparison purposes only and is not intended to be a complete listing of all rates and charges offered by each listed utility

[2] Utility is currently involved in a rate study, or is planning one within the next few months.