

SEACOAST
UTILITY
AUTHORITY

FY 2020/21 Cost of Service Rate Study

GOALS &
OBJECTIVES

Revenue Neutral Examination of Costs & Demands
Fixed and Variable Cost and Revenues
Rate Structure Design
Miscellaneous Service Fees
Connection Fees

ANALYSIS
COMPONENTS

Consumption Trends
Cost of Service
Rate Design and Indicated Fees
Cost of Capacity to Serve New Development

CONSUMPTION
TRENDS

Increase in Single Family Residential consumption
Multi-Family dwelling units using less water
Non-Residentials using less water
Existing ERC equivalencies have been re-confirmed

COST OF SERVICE

Is each functional service carrying its share?

Is each customer class carrying its share of cost?

How much fixed cost is picked up in Base Fees?

Are commodity tiers appropriately sized and cost-justified?

RATE STRUCTURE DESIGN

Re-balance allocations between Water and Sewer

Adjust Point of Service Fees

Reduce potable water commodity tiers to cost-justified rates

Revenue Requirements

	FY2017/18 Test Year	FY2020/21 Target Year
OPERATING EXPENSES		
Administrative	\$3,162,628	
Finance	\$1,148,899	
Customer Service	\$1,857,011	
Water Treatment	\$8,817,643	
Water Distribution	\$1,603,394	
Wastewater Treatment	\$3,168,378	
Wastewater Collection	\$2,139,310	
Utility Services	\$1,499,637	
General and Administrative	\$1,812,931	
SUBTOTAL	\$25,209,831	
DEBT SERVICE		
Bond Principal	\$8,250,521	
Interest Expense on Bonds	\$7,531,360	
	\$15,781,881	
CAPITAL PROJECTS FUNDED FROM CURRENT YEAR RATES	\$14,233,322	
GROSS REVENUE REQUIREMENTS	\$55,225,034	
Less Other Available Revenues	\$3,782,530	
TARGET REVENUES FROM RATES	\$51,442,504	\$55,393,288

Customer Class Revenue

Meter Size	Existing Potable Water <i>Annual Revenue</i>	Indicated Potable Water <i>Annual Revenue</i>	Indicated Adjustment <i>Increase/ Decrease</i>	Existing Wastewater <i>Annual Revenue</i>	Indicated Wastewater <i>Annual Revenue</i>	Indicated Adjustment <i>Increase/ Decrease</i>
Point of Service Charge	\$502,169	\$882,131	\$379,962	\$723,355	\$699,810	(\$23,546)
Single-Family Residential	\$20,323,545	\$24,307,503	\$3,983,957	\$10,509,822	\$7,239,429	(\$3,270,392)
Multi-Family Residential	\$4,385,072	\$5,403,685	\$1,018,613	\$5,349,096	\$2,629,962	(\$2,719,134)
Non-Residential	\$7,015,863	\$7,332,244	\$316,381	\$2,633,227	\$2,947,740	\$314,514
TOTALS	\$32,226,649	\$37,925,562	\$5,698,913	\$19,215,500	\$13,516,942	(\$5,698,558)

This is a “revenue-neutral” re-allocation of rate responsibility.
Indicated revenue adjustments total \$51.4 million for the FY2017/18 Test Year.

The term “Indicated” refers to adjustments derived by the cost of service analysis for the Test Year. Recommended rates are those adjusted by indexing from the Test Year to the FY2021/21 Target Year.

Potable Water Cost Allocations

	FY2017/18 Actual	Potable Water Allocation	Base	Extra Capacity		Customer Costs	
				Maximum Day	Maximum Hour	Service	POS
Administrative	\$3,162,628	\$1,701,494	\$ 765,672	\$ -	\$ -	\$ 595,523	\$ 340,299
Finance	\$1,148,899	\$618,108	401,770	-	-	123,622	92,716
Customer Service	\$1,857,011	\$999,072	99,907	-	-	799,258	99,907
Water Treatment	\$8,817,643	\$8,817,643	7,646,074	752,974	418,595	-	-
Water Distribution	\$1,603,394	\$1,603,394	801,697	481,018	320,679	-	-
Wastewater Treatment	\$3,168,378	\$0	-	-	-	-	-
Wastewater Collection	\$2,139,310	\$0	-	-	-	-	-
Utility Services	\$1,499,637	\$749,819	449,891	-	-	112,473	187,455
General and Administrative	\$1,812,931	\$906,466	543,879	-	-	135,970	226,616
TOTALS	\$ 25,209,831	\$ 15,395,994	\$ 10,708,891	\$ 1,233,992	\$ 739,274	\$ 1,766,845	\$ 946,993
Percentage Potable Water		61.1%					
Percentage Allocations within Potable Water			69.6%	8.0%	4.8%	11.5%	6.2%

Wastewater Cost Allocations

	FY2017/18 Actual	Wastewater Allocation	Volume	Wastewater Strength			Customer Service	Customer POS
				TSS	BOD	TKN		
Administrative	\$3,162,628	\$1,461,134	\$657,510	\$0	\$0	\$0	\$511,397	\$292,227
Finance	\$1,148,899	\$530,791	\$238,856	\$0	\$0	\$0	\$185,777	\$106,158
Customer Service	\$1,857,011	\$857,939	\$0	\$0	\$0	\$0	\$686,351	\$171,588
Water Treatment	\$8,817,643	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Water Distribution	\$1,603,394	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Wastewater Treatment	\$3,168,378	\$3,168,378	\$1,912,241	\$611,643	\$362,267	\$173,904	\$108,324	\$0
Wastewater Collection	\$2,139,310	\$2,139,310	\$1,818,414	\$213,931	\$106,966	\$0	\$0	\$0
Utility Services	\$1,499,637	\$749,819	\$562,364	\$74,982	\$0	\$0	\$112,473	\$0
General and Administrative	\$1,812,931	\$906,466	\$407,909	\$0	\$0	\$0	\$317,263	\$181,293
TOTALS	\$25,209,831	\$9,813,837	\$5,597,295	\$900,556	\$469,232	\$173,904	\$1,921,584	\$751,266
Percentage Wastewater		38.9%						
Percentage Allocations within Wastewater			57.0%	9.2%	4.8%	1.8%	19.6%	7.7%

ERC Equivalencies

Service/Customer Class	Consumption [1]	ERC Equivalencies	
		Existing	AWWA [2]
	<i>Gal/Mo</i>	<i>ERCs/Meter</i>	<i>ERCs/Meter</i>
Single-Family Residential			
5/8x3/4 Inch Meter	8,677	1.0	1.0
1 Inch Meter	19,784	2.5	2.5
1-1/2 Inch Meter	61,371	5.0	5.0
2 Inch Meter	99,917	8.0	8.0
Multi-Family Residential			
All Meter Sizes (per Dwelling Unit)	2,326	0.7	0.7
Mixed Units			
Non-Residential			
5/8x3/4 Inch Meter	8,784	1.0	1.0
1 Inch Meter	29,939	2.5	2.5
1-1/2 Inch Meter	60,811	5.0	5.0
2 Inch Meter	119,475	8.0	8.0
3 Inch Meter	207,476	16.0	16.0
4 Inch Meter	517,325	25.0	25.0
6 Inch Meter	1,565,958	50.0	50.0

COST OF SERVICE

Single-Family Residential Rates

Single
Family
Residential

	FY2017/18 Indicated Cost of Service	FY2020/21 Indexed Cost of Service	FY2020/21 Adopted	Indicated Monthly Increase (Decrease)	Percent Monthly Increase (Decrease)
Water Point of Service Charge	\$2.06	\$2.21	\$1.27	\$0.94	74.02%
Wastewater Point of Service Charge	\$1.85	\$1.99	\$2.06	(\$0.07)	-3.40%
<u>Water Service</u>					
Monthly Base Facility Charge, \$/month					
5/8-Inch Meter	\$25.47	\$27.43	\$20.81	\$6.62	31.81%
1-Inch Meter	\$63.69	\$68.58	\$52.01	\$16.57	31.86%
1-1/2-Inch Meter	\$127.37	\$137.16	\$104.03	\$33.13	31.85%
2-Inch Meter	\$203.80	\$219.45	\$166.45	\$53.00	31.84%
Gallonage Charge					
0-6,000 gal, \$/000 [3]	\$2.35	\$2.53	\$1.12	\$1.41	125.89%
7,000-30,000 gal, \$/000	\$4.06	\$4.37	\$4.41	(\$0.04)	-0.91%
≥31,000 gal, \$/000	\$4.91	\$5.29	\$6.62	(\$1.33)	-20.09%
<u>Wastewater Service</u>					
Monthly Base Facility Charge, \$/month					
5/8-Inch Meter	\$17.43	\$18.77	\$30.19	(\$11.42)	-37.83%
1-Inch Meter	\$17.43	\$18.77	\$75.48	(\$56.71)	-75.13%
1-1/2-Inch Meter	\$17.43	\$18.77	\$150.95	(\$132.18)	-87.57%
2-Inch Meter	\$17.43	\$18.77	\$241.54	(\$222.77)	-92.23%
Gallonage Charge					
0-10,000 gal, \$/000	\$0.79	\$0.85	\$0.74	\$0.11	14.86%

5/8-Inch Billings

	FY2020/21 Adopted			FY2020/21 Cost of Service			Delta	
	000/mo	Water	Sewer	Total Bill	Water	Sewer		Total Bill
-		\$22.08	\$32.25	\$54.33	\$29.64	\$20.76	\$50.40	(\$3.93)
1		\$23.20	\$32.99	\$56.19	\$32.17	\$21.61	\$53.78	(\$2.41)
2		\$24.32	\$33.73	\$58.05	\$34.70	\$22.46	\$57.16	(\$0.89)
3		\$25.44	\$34.47	\$59.91	\$37.23	\$23.31	\$60.54	\$0.63
4		\$26.56	\$35.21	\$61.77	\$39.76	\$24.16	\$63.92	\$2.15
5		\$27.68	\$35.95	\$63.63	\$42.29	\$25.01	\$67.30	\$3.67
6		\$28.80	\$36.69	\$65.49	\$44.82	\$25.86	\$70.68	\$5.19
7		\$33.21	\$37.43	\$70.64	\$49.19	\$26.71	\$75.90	\$5.26
8		\$37.62	\$38.17	\$75.79	\$53.56	\$27.56	\$81.12	\$5.33
9		\$42.03	\$38.91	\$80.94	\$57.93	\$28.41	\$86.34	\$5.40
10		\$46.44	\$39.65	\$86.09	\$62.30	\$29.26	\$91.56	\$5.47
11		\$50.85	\$39.65	\$90.50	\$66.67	\$29.26	\$95.93	\$5.43
12		\$55.26	\$39.65	\$94.91	\$71.04	\$29.26	\$100.30	\$5.39
13		\$59.67	\$39.65	\$99.32	\$75.41	\$29.26	\$104.67	\$5.35
14		\$64.08	\$39.65	\$103.73	\$79.78	\$29.26	\$109.04	\$5.31
15		\$68.49	\$39.65	\$108.14	\$84.15	\$29.26	\$113.41	\$5.27
16		\$72.90	\$39.65	\$112.55	\$88.52	\$29.26	\$117.78	\$5.23
17		\$77.31	\$39.65	\$116.96	\$92.89	\$29.26	\$122.15	\$5.19
18		\$81.72	\$39.65	\$121.37	\$97.26	\$29.26	\$126.52	\$5.15
19		\$86.13	\$39.65	\$125.78	\$101.63	\$29.26	\$130.89	\$5.11
20		\$90.54	\$39.65	\$130.19	\$106.00	\$29.26	\$135.26	\$5.07

Single
Family
Residential

COST OF SERVICE

Multi-Family Residential Rates

Multi
Family
Residential

	FY2017/18 Indicated Cost of Service	FY2020/21 Indexed Cost of Service	FY2020/21 Adopted	Indicated Monthly Increase (Decrease)	Percent Monthly Increase (Decrease)
Water Point of Service Charge	\$2.06	\$2.21	\$1.27	\$0.94	74.02%
Wastewater Point of Service Charge	\$1.85	\$1.99	\$2.06	(\$0.07)	-3.40%
<u>Water</u>					
Monthly Base Facility Charge, \$/month (Stacked)	\$10.60	\$11.41	\$13.94	(\$2.53)	-18.15%
Monthly Base Facility Charge, \$/month (Mixed) [3]	\$15.82	\$17.03	\$20.81	(\$3.78)	-18.16%
<u>Gallorage Charge</u>					
0-4,000, \$/000 [4]	\$3.32	\$3.58	\$1.12	\$2.46	219.64%
5,000-20,000, \$/000	\$4.53	\$4.88	\$4.41	\$0.47	10.66%
≥21,000, \$/000	\$5.14	\$5.53	\$6.62	(\$1.09)	-16.47%
<u>Wastewater</u>					
Monthly Base Facility Charge, \$/month (Stacked)	\$9.46	\$10.19	\$24.15	(\$13.96)	-57.81%
Monthly Base Facility Charge, \$/month (Mixed) [3]	\$14.13	\$15.21	\$30.19	(\$14.98)	-49.62%
<u>Gallorage Charge</u>					
0-6,000, \$/000 per Unit	\$0.79	\$0.85	\$0.74	\$0.11	14.86%

8 Dwelling Unit (Stacked)

Multi
Family
Residential

000/mo	FY2020/21 Adopted			FY2020/21 Cost of Service			Delta
	Water	Sewer	Total Bill	Water	Sewer	Total Bill	
-	\$ 112.79	\$ 195.26	\$ 308.05	\$ 93.49	\$ 83.51	\$ 177.00	(\$131.05)
3	\$ 116.15	\$ 197.48	\$ 313.63	\$ 104.23	\$ 86.06	\$ 190.29	(\$123.34)
6	\$ 119.51	\$ 199.70	\$ 319.21	\$ 114.97	\$ 88.61	\$ 203.58	(\$115.63)
9	\$ 122.87	\$ 201.92	\$ 324.79	\$ 125.71	\$ 91.16	\$ 216.87	(\$107.92)
12	\$ 126.23	\$ 204.14	\$ 330.37	\$ 136.45	\$ 93.71	\$ 230.16	(\$100.21)
15	\$ 129.59	\$ 206.36	\$ 335.95	\$ 147.19	\$ 96.26	\$ 243.45	(\$92.50)
18	\$ 132.95	\$ 208.58	\$ 341.53	\$ 157.93	\$ 98.81	\$ 256.74	(\$84.79)
21	\$ 136.31	\$ 210.80	\$ 347.11	\$ 168.67	\$ 101.36	\$ 270.03	(\$77.08)
24	\$ 139.67	\$ 213.02	\$ 352.69	\$ 179.41	\$ 103.91	\$ 283.32	(\$69.37)
30	\$ 146.39	\$ 217.46	\$ 363.85	\$ 200.89	\$ 109.01	\$ 309.90	(\$53.95)
32	\$ 148.63	\$ 218.94	\$ 367.57	\$ 208.05	\$ 110.71	\$ 318.76	(\$48.81)
40	\$ 183.91	\$ 224.86	\$ 408.77	\$ 247.09	\$ 117.51	\$ 364.60	(\$44.17)
48	\$ 219.19	\$ 230.78	\$ 449.97	\$ 286.13	\$ 124.31	\$ 410.44	(\$39.53)
56	\$ 254.47	\$ 230.78	\$ 485.25	\$ 325.17	\$ 124.31	\$ 449.48	(\$35.77)
64	\$ 289.75	\$ 230.78	\$ 520.53	\$ 364.21	\$ 124.31	\$ 488.52	(\$32.01)
72	\$ 325.03	\$ 230.78	\$ 555.81	\$ 403.25	\$ 124.31	\$ 527.56	(\$28.25)
80	\$ 360.31	\$ 230.78	\$ 591.09	\$ 442.29	\$ 124.31	\$ 566.60	(\$24.49)
88	\$ 395.59	\$ 230.78	\$ 626.37	\$ 481.33	\$ 124.31	\$ 605.64	(\$20.73)
96	\$ 430.87	\$ 230.78	\$ 661.65	\$ 520.37	\$ 124.31	\$ 644.68	(\$16.97)
104	\$ 466.15	\$ 230.78	\$ 696.93	\$ 559.41	\$ 124.31	\$ 683.72	(\$13.21)
112	\$ 501.43	\$ 230.78	\$ 732.21	\$ 598.45	\$ 124.31	\$ 722.76	(\$9.45)
120	\$ 536.71	\$ 230.78	\$ 767.49	\$ 637.49	\$ 124.31	\$ 761.80	(\$5.69)
128	\$ 571.99	\$ 230.78	\$ 802.77	\$ 676.53	\$ 124.31	\$ 800.84	(\$1.93)
136	\$ 607.27	\$ 230.78	\$ 838.05	\$ 715.57	\$ 124.31	\$ 839.88	\$1.83
144	\$ 642.55	\$ 230.78	\$ 873.33	\$ 754.61	\$ 124.31	\$ 878.92	\$5.59
152	\$ 677.83	\$ 230.78	\$ 908.61	\$ 793.65	\$ 124.31	\$ 917.96	\$9.35

13-Jun-21

16 Dwelling Unit (Stacked)

Multi
Family
Residential

000/mo	FY2020/21 Adopted			FY2020/21 Cost of Service			Delta
	Water	Sewer	Total Bill	Water	Sewer	Total Bill	
-	\$ 224.31	\$ 388.46	\$ 612.77	\$ 184.77	\$ 165.03	\$ 349.80	(\$262.97)
6	\$ 231.03	\$ 392.90	\$ 623.93	\$ 206.25	\$ 170.13	\$ 376.38	(\$247.55)
12	\$ 237.75	\$ 397.34	\$ 635.09	\$ 227.73	\$ 175.23	\$ 402.96	(\$232.13)
18	\$ 244.47	\$ 401.78	\$ 646.25	\$ 249.21	\$ 180.33	\$ 429.54	(\$216.71)
24	\$ 251.19	\$ 406.22	\$ 657.41	\$ 270.69	\$ 185.43	\$ 456.12	(\$201.29)
30	\$ 257.91	\$ 410.66	\$ 668.57	\$ 292.17	\$ 190.53	\$ 482.70	(\$185.87)
40	\$ 269.11	\$ 418.06	\$ 687.17	\$ 327.97	\$ 199.03	\$ 527.00	(\$160.17)
48	\$ 278.07	\$ 423.98	\$ 702.05	\$ 356.61	\$ 205.83	\$ 562.44	(\$139.61)
56	\$ 287.03	\$ 429.90	\$ 716.93	\$ 385.25	\$ 212.63	\$ 597.88	(\$119.05)
72	\$ 331.27	\$ 441.74	\$ 773.01	\$ 452.93	\$ 226.23	\$ 679.16	(\$93.85)
80	\$ 366.55	\$ 447.66	\$ 814.21	\$ 491.97	\$ 233.03	\$ 725.00	(\$89.21)
96	\$ 437.11	\$ 459.50	\$ 896.61	\$ 570.05	\$ 246.63	\$ 816.68	(\$79.93)
104	\$ 472.39	\$ 459.50	\$ 931.89	\$ 609.09	\$ 246.63	\$ 855.72	(\$76.17)
112	\$ 507.67	\$ 459.50	\$ 967.17	\$ 648.13	\$ 246.63	\$ 894.76	(\$72.41)
120	\$ 542.95	\$ 459.50	\$ 1,002.45	\$ 687.17	\$ 246.63	\$ 933.80	(\$68.65)
128	\$ 578.23	\$ 459.50	\$ 1,037.73	\$ 726.21	\$ 246.63	\$ 972.84	(\$64.89)
136	\$ 613.51	\$ 459.50	\$ 1,073.01	\$ 765.25	\$ 246.63	\$ 1,011.88	(\$61.13)
144	\$ 648.79	\$ 459.50	\$ 1,108.29	\$ 804.29	\$ 246.63	\$ 1,050.92	(\$57.37)
152	\$ 684.07	\$ 459.50	\$ 1,143.57	\$ 843.33	\$ 246.63	\$ 1,089.96	(\$53.61)
160	\$ 719.35	\$ 459.50	\$ 1,178.85	\$ 882.37	\$ 246.63	\$ 1,129.00	(\$49.85)
168	\$ 754.63	\$ 459.50	\$ 1,214.13	\$ 921.41	\$ 246.63	\$ 1,168.04	(\$46.09)
176	\$ 789.91	\$ 459.50	\$ 1,249.41	\$ 960.45	\$ 246.63	\$ 1,207.08	(\$42.33)
184	\$ 825.19	\$ 459.50	\$ 1,284.69	\$ 999.49	\$ 246.63	\$ 1,246.12	(\$38.57)
192	\$ 860.47	\$ 459.50	\$ 1,319.97	\$ 1,038.53	\$ 246.63	\$ 1,285.16	(\$34.81)

13-Jun-21

18

24 Dwelling Unit (Stacked)

Multi
Family
Residential

000/mo	FY2020/21 Adopted			FY2020/21 Cost of Service			Delta
	Water	Sewer	Total Bill	Water	Sewer	Total Bill	
-	\$ 335.83	\$ 581.66	\$ 917.49	\$ 276.05	\$ 246.55	\$ 522.60	(\$394.89)
12	\$ 349.27	\$ 590.54	\$ 939.81	\$ 319.01	\$ 256.75	\$ 575.76	(\$364.05)
24	\$ 362.71	\$ 599.42	\$ 962.13	\$ 361.97	\$ 266.95	\$ 628.92	(\$333.21)
48	\$ 389.59	\$ 617.18	\$ 1,006.77	\$ 447.89	\$ 287.35	\$ 735.24	(\$271.53)
72	\$ 416.47	\$ 634.94	\$ 1,051.41	\$ 533.81	\$ 307.75	\$ 841.56	(\$209.85)
96	\$ 443.35	\$ 652.70	\$ 1,096.05	\$ 619.73	\$ 328.15	\$ 947.88	(\$148.17)
128	\$ 584.47	\$ 676.38	\$ 1,260.85	\$ 775.89	\$ 355.35	\$ 1,131.24	(\$129.61)
136	\$ 619.75	\$ 682.30	\$ 1,302.05	\$ 814.93	\$ 362.15	\$ 1,177.08	(\$124.97)
144	\$ 655.03	\$ 688.22	\$ 1,343.25	\$ 853.97	\$ 368.95	\$ 1,222.92	(\$120.33)
152	\$ 690.31	\$ 688.22	\$ 1,378.53	\$ 893.01	\$ 368.95	\$ 1,261.96	(\$116.57)
160	\$ 725.59	\$ 688.22	\$ 1,413.81	\$ 932.05	\$ 368.95	\$ 1,301.00	(\$112.81)
168	\$ 760.87	\$ 688.22	\$ 1,449.09	\$ 971.09	\$ 368.95	\$ 1,340.04	(\$109.05)
176	\$ 796.15	\$ 688.22	\$ 1,484.37	\$ 1,010.13	\$ 368.95	\$ 1,379.08	(\$105.29)
184	\$ 831.43	\$ 688.22	\$ 1,519.65	\$ 1,049.17	\$ 368.95	\$ 1,418.12	(\$101.53)
192	\$ 866.71	\$ 688.22	\$ 1,554.93	\$ 1,088.21	\$ 368.95	\$ 1,457.16	(\$97.77)

COST OF SERVICE

Non-Residential Rates

Non-Residential Rates

	FY2017/18 Indicated Cost of Service	FY2020/21 Indexed Cost of Service	FY2020/21 Adopted	Indicated Monthly Increase (Decrease)	Percent Monthly Increase (Decrease)
Water Point of Service Charge	\$2.06	\$2.21	\$1.27	\$0.94	74.02%
Wastewater Point of Service Charge	\$1.85	\$1.99	\$2.06	(\$0.07)	-3.40%
<u>Potable Water</u>					
Monthly Base Facility Charge, \$/month					
5/8 Inch Meter, \$/month	\$23.43	\$25.23	\$20.81	\$4.42	21.24%
1 Inch Meter, \$/month	\$58.58	\$63.08	\$52.01	\$11.07	21.28%
1-1/2 Inch Meter, \$/month	\$117.16	\$126.15	\$104.03	\$22.12	21.26%
2 Inch Meter, \$/month	\$187.45	\$201.85	\$166.45	\$35.40	21.27%
3 Inch Meter, \$/month	\$374.90	\$403.69	\$332.87	\$70.82	21.28%
4 Inch Meter, \$/month	\$585.78	\$630.77	\$520.13	\$110.64	21.27%
6 Inch Meter, \$/month	\$1,171.55	\$1,261.54	\$1,040.23	\$221.31	21.28%
Gallonge Charge					
0-6,000, \$/000[3]	\$1.87	\$2.02	\$1.12	\$0.90	80.36%
≥7,000, \$/000	\$3.91	\$4.21	\$4.41	(\$0.20)	-4.54%
<u>Wastewater</u>					
Monthly Base Facility Charge, \$/month					
5/8 Inch Meter, \$/month	\$32.21	\$34.69	\$30.19	\$4.50	14.91%
1 Inch Meter, \$/month	\$80.54	\$86.72	\$75.48	\$11.24	14.89%
1-1/2 Inch Meter, \$/month	\$161.07	\$173.44	\$150.95	\$22.49	14.90%
2 Inch Meter, \$/month	\$257.71	\$277.51	\$241.54	\$35.97	14.89%
3 Inch Meter, \$/month	\$515.43	\$555.02	\$483.08	\$71.94	14.89%
4 Inch Meter, \$/month	\$805.35	\$867.22	\$754.79	\$112.43	14.90%
6 Inch Meter, \$/month	\$1,610.71	\$1,734.43	\$1,509.62	\$224.81	14.89%
Gallonge Charge					
All Flow, \$/000	\$0.71	\$0.77	\$0.74	\$0.03	4.05%

5/8-Inch Billings

Non-Residential Rates

000/mo	FY2020/21 Adopted			FY2020/21 Cost of Service			Delta
	Water	Sewer	Total Bill	Water	Sewer	Total Bill	
-	\$ 22.08	\$ 32.25	\$ 54.33	\$ 27.44	\$ 36.68	\$ 64.12	\$ 9.79
1	\$ 23.20	\$ 32.99	\$ 56.19	\$ 29.46	\$ 37.45	\$ 66.91	\$10.72
2	\$ 24.32	\$ 33.73	\$ 58.05	\$ 31.48	\$ 38.22	\$ 69.70	\$11.65
3	\$ 25.44	\$ 34.47	\$ 59.91	\$ 33.50	\$ 38.99	\$ 72.49	\$12.58
4	\$ 26.56	\$ 35.21	\$ 61.77	\$ 35.52	\$ 39.76	\$ 75.28	\$13.51
5	\$ 27.68	\$ 35.95	\$ 63.63	\$ 37.54	\$ 40.53	\$ 78.07	\$14.44
6	\$ 28.80	\$ 36.69	\$ 65.49	\$ 39.56	\$ 41.30	\$ 80.86	\$15.37
7	\$ 33.21	\$ 37.43	\$ 70.64	\$ 43.77	\$ 42.07	\$ 85.84	\$15.20
8	\$ 37.62	\$ 38.17	\$ 75.79	\$ 47.98	\$ 42.84	\$ 90.82	\$15.03
9	\$ 42.03	\$ 38.91	\$ 80.94	\$ 52.19	\$ 43.61	\$ 95.80	\$14.86
10	\$ 46.44	\$ 39.65	\$ 86.09	\$ 56.40	\$ 44.38	\$ 100.78	\$14.69
11	\$ 50.85	\$ 40.39	\$ 91.24	\$ 60.61	\$ 45.15	\$ 105.76	\$14.52
12	\$ 55.26	\$ 41.13	\$ 96.39	\$ 64.82	\$ 45.92	\$ 110.74	\$14.35
13	\$ 59.67	\$ 41.87	\$ 101.54	\$ 69.03	\$ 46.69	\$ 115.72	\$14.18
14	\$ 64.08	\$ 42.61	\$ 106.69	\$ 73.24	\$ 47.46	\$ 120.70	\$14.01
15	\$ 68.49	\$ 43.35	\$ 111.84	\$ 77.45	\$ 48.23	\$ 125.68	\$13.84
16	\$ 72.90	\$ 44.09	\$ 116.99	\$ 81.66	\$ 49.00	\$ 130.66	\$13.67
17	\$ 77.31	\$ 44.83	\$ 122.14	\$ 85.87	\$ 49.77	\$ 135.64	\$13.50
18	\$ 81.72	\$ 45.57	\$ 127.29	\$ 90.08	\$ 50.54	\$ 140.62	\$13.33
19	\$ 86.13	\$ 46.31	\$ 132.44	\$ 94.29	\$ 51.31	\$ 145.60	\$13.16
20	\$ 90.54	\$ 47.05	\$ 137.59	\$ 98.50	\$ 52.08	\$ 150.58	\$12.99

1-Inch Billings

Non-Residential Rates

000/mo	FY2020/21 Adopted			FY2020/21 Cost of Service			Delta
	Water	Sewer	Total Bill	Water	Sewer	Total Bill	
-	\$ 53.28	\$ 77.54	\$ 130.82	\$ 65.29	\$ 88.71	\$ 154.00	\$23.18
2	\$ 55.52	\$ 79.02	\$ 134.54	\$ 69.33	\$ 90.25	\$ 159.58	\$25.04
4	\$ 57.76	\$ 80.50	\$ 138.26	\$ 73.37	\$ 91.79	\$ 165.16	\$26.90
6	\$ 60.00	\$ 81.98	\$ 141.98	\$ 77.41	\$ 93.33	\$ 170.74	\$28.76
8	\$ 68.82	\$ 83.46	\$ 152.28	\$ 85.83	\$ 94.87	\$ 180.70	\$28.42
10	\$ 77.64	\$ 84.94	\$ 162.58	\$ 94.25	\$ 96.41	\$ 190.66	\$28.08
12	\$ 86.46	\$ 86.42	\$ 172.88	\$ 102.67	\$ 97.95	\$ 200.62	\$27.74
14	\$ 95.28	\$ 87.90	\$ 183.18	\$ 111.09	\$ 99.49	\$ 210.58	\$27.40
16	\$ 104.10	\$ 89.38	\$ 193.48	\$ 119.51	\$ 101.03	\$ 220.54	\$27.06
18	\$ 112.92	\$ 90.86	\$ 203.78	\$ 127.93	\$ 102.57	\$ 230.50	\$26.72
20	\$ 121.74	\$ 92.34	\$ 214.08	\$ 136.35	\$ 104.11	\$ 240.46	\$26.38
22	\$ 130.56	\$ 93.82	\$ 224.38	\$ 144.77	\$ 105.65	\$ 250.42	\$26.04
24	\$ 139.38	\$ 95.30	\$ 234.68	\$ 153.19	\$ 107.19	\$ 260.38	\$25.70
26	\$ 148.20	\$ 96.78	\$ 244.98	\$ 161.61	\$ 108.73	\$ 270.34	\$25.36
28	\$ 157.02	\$ 98.26	\$ 255.28	\$ 170.03	\$ 110.27	\$ 280.30	\$25.02
30	\$ 165.84	\$ 99.74	\$ 265.58	\$ 178.45	\$ 111.81	\$ 290.26	\$24.68
32	\$ 174.66	\$ 101.22	\$ 275.88	\$ 186.87	\$ 113.35	\$ 300.22	\$24.34
34	\$ 183.48	\$ 102.70	\$ 286.18	\$ 195.29	\$ 114.89	\$ 310.18	\$24.00
36	\$ 192.30	\$ 104.18	\$ 296.48	\$ 203.71	\$ 116.43	\$ 320.14	\$23.66
38	\$ 201.12	\$ 105.66	\$ 306.78	\$ 212.13	\$ 117.97	\$ 330.10	\$23.32
40	\$ 209.94	\$ 107.14	\$ 317.08	\$ 220.55	\$ 119.51	\$ 340.06	\$22.98
42	\$ 218.76	\$ 108.62	\$ 327.38	\$ 228.97	\$ 121.05	\$ 350.02	\$22.64

13-Jun-21

1-1/2-Inch Billings

Non-Residential Rates

000/mo	FY2020/21 Adopted			FY2020/21 Cost of Service			Delta
	Water	Sewer	Total Bill	Water	Sewer	Total Bill	
-	\$ 105.30	\$ 153.01	\$ 258.31	\$ 128.36	\$ 175.43	\$ 303.79	\$45.48
2	\$ 107.54	\$ 154.49	\$ 262.03	\$ 132.40	\$ 176.97	\$ 309.37	\$47.34
4	\$ 109.78	\$ 155.97	\$ 265.75	\$ 136.44	\$ 178.51	\$ 314.95	\$49.20
6	\$ 112.02	\$ 157.45	\$ 269.47	\$ 140.48	\$ 180.05	\$ 320.53	\$51.06
8	\$ 120.84	\$ 158.93	\$ 279.77	\$ 148.90	\$ 181.59	\$ 330.49	\$50.72
10	\$ 129.66	\$ 160.41	\$ 290.07	\$ 157.32	\$ 183.13	\$ 340.45	\$50.38
12	\$ 138.48	\$ 161.89	\$ 300.37	\$ 165.74	\$ 184.67	\$ 350.41	\$50.04
14	\$ 147.30	\$ 163.37	\$ 310.67	\$ 174.16	\$ 186.21	\$ 360.37	\$49.70
16	\$ 156.12	\$ 164.85	\$ 320.97	\$ 182.58	\$ 187.75	\$ 370.33	\$49.36
18	\$ 164.94	\$ 166.33	\$ 331.27	\$ 191.00	\$ 189.29	\$ 380.29	\$49.02
20	\$ 173.76	\$ 167.81	\$ 341.57	\$ 199.42	\$ 190.83	\$ 390.25	\$48.68
22	\$ 182.58	\$ 169.29	\$ 351.87	\$ 207.84	\$ 192.37	\$ 400.21	\$48.34
24	\$ 191.40	\$ 170.77	\$ 362.17	\$ 216.26	\$ 193.91	\$ 410.17	\$48.00
26	\$ 200.22	\$ 172.25	\$ 372.47	\$ 224.68	\$ 195.45	\$ 420.13	\$47.66
28	\$ 209.04	\$ 173.73	\$ 382.77	\$ 233.10	\$ 196.99	\$ 430.09	\$47.32
30	\$ 217.86	\$ 175.21	\$ 393.07	\$ 241.52	\$ 198.53	\$ 440.05	\$46.98
32	\$ 226.68	\$ 176.69	\$ 403.37	\$ 249.94	\$ 200.07	\$ 450.01	\$46.64
34	\$ 235.50	\$ 178.17	\$ 413.67	\$ 258.36	\$ 201.61	\$ 459.97	\$46.30
36	\$ 244.32	\$ 179.65	\$ 423.97	\$ 266.78	\$ 203.15	\$ 469.93	\$45.96
38	\$ 253.14	\$ 181.13	\$ 434.27	\$ 275.20	\$ 204.69	\$ 479.89	\$45.62
40	\$ 261.96	\$ 182.61	\$ 444.57	\$ 283.62	\$ 206.23	\$ 489.85	\$45.28
42	\$ 270.78	\$ 184.09	\$ 454.87	\$ 292.04	\$ 207.77	\$ 499.81	\$44.94
44	\$ 279.60	\$ 185.57	\$ 465.17	\$ 300.46	\$ 209.31	\$ 509.77	\$44.60
46	\$ 288.42	\$ 187.05	\$ 475.47	\$ 308.88	\$ 210.85	\$ 519.73	\$44.26
48	\$ 297.24	\$ 188.53	\$ 485.77	\$ 317.30	\$ 212.39	\$ 529.69	\$43.92
50	\$ 306.06	\$ 190.01	\$ 496.07	\$ 325.72	\$ 213.93	\$ 539.65	\$43.58
52	\$ 314.88	\$ 191.49	\$ 506.37	\$ 334.14	\$ 215.47	\$ 549.61	\$43.24

13-Jun-21

24

2-Inch Billings

Non-Residential Rates

000/mo	FY2020/21 Adopted			FY2020/21 Cost of Service			Delta
	Water	Sewer	Total Bill	Water	Sewer	Total Bill	
-	\$ 167.72	\$ 243.60	\$ 411.32	\$ 204.06	\$ 279.50	\$ 483.56	\$72.24
8	\$ 183.26	\$ 249.52	\$ 432.78	\$ 224.60	\$ 285.66	\$ 510.26	\$77.48
16	\$ 218.54	\$ 255.44	\$ 473.98	\$ 258.28	\$ 291.82	\$ 550.10	\$76.12
24	\$ 253.82	\$ 261.36	\$ 515.18	\$ 291.96	\$ 297.98	\$ 589.94	\$74.76
36	\$ 306.74	\$ 270.24	\$ 576.98	\$ 342.48	\$ 307.22	\$ 649.70	\$72.72
48	\$ 359.66	\$ 279.12	\$ 638.78	\$ 393.00	\$ 316.46	\$ 709.46	\$70.68
50	\$ 368.48	\$ 280.60	\$ 649.08	\$ 401.42	\$ 318.00	\$ 719.42	\$70.34
52	\$ 377.30	\$ 282.08	\$ 659.38	\$ 409.84	\$ 319.54	\$ 729.38	\$70.00
54	\$ 386.12	\$ 283.56	\$ 669.68	\$ 418.26	\$ 321.08	\$ 739.34	\$69.66
56	\$ 394.94	\$ 285.04	\$ 679.98	\$ 426.68	\$ 322.62	\$ 749.30	\$69.32
58	\$ 403.76	\$ 286.52	\$ 690.28	\$ 435.10	\$ 324.16	\$ 759.26	\$68.98
60	\$ 412.58	\$ 288.00	\$ 700.58	\$ 443.52	\$ 325.70	\$ 769.22	\$68.64

3-Inch Billings

Non-Residential Rates

000/mo	FY2020/21 Adopted			FY2020/21 Cost of Service			Delta
	Water	Sewer	Total Bill	Water	Sewer	Total Bill	
-	\$ 334.14	\$ 485.14	\$ 819.28	\$ 405.90	\$ 557.01	\$ 962.91	\$143.63
16	\$ 384.96	\$ 496.98	\$ 881.94	\$ 460.12	\$ 569.33	\$ 1,029.45	\$147.51
32	\$ 455.52	\$ 508.82	\$ 964.34	\$ 527.48	\$ 581.65	\$ 1,109.13	\$144.79
48	\$ 526.08	\$ 520.66	\$ 1,046.74	\$ 594.84	\$ 593.97	\$ 1,188.81	\$142.07
64	\$ 596.64	\$ 532.50	\$ 1,129.14	\$ 662.20	\$ 606.29	\$ 1,268.49	\$139.35
80	\$ 667.20	\$ 544.34	\$ 1,211.54	\$ 729.56	\$ 618.61	\$ 1,348.17	\$136.63
96	\$ 737.76	\$ 556.18	\$ 1,293.94	\$ 796.92	\$ 630.93	\$ 1,427.85	\$133.91
112	\$ 808.32	\$ 568.02	\$ 1,376.34	\$ 864.28	\$ 643.25	\$ 1,507.53	\$131.19
128	\$ 878.88	\$ 579.86	\$ 1,458.74	\$ 931.64	\$ 655.57	\$ 1,587.21	\$128.47
144	\$ 949.44	\$ 591.70	\$ 1,541.14	\$ 999.00	\$ 667.89	\$ 1,666.89	\$125.75
160	\$ 1,020.00	\$ 603.54	\$ 1,623.54	\$ 1,066.36	\$ 680.21	\$ 1,746.57	\$123.03
176	\$ 1,090.56	\$ 615.38	\$ 1,705.94	\$ 1,133.72	\$ 692.53	\$ 1,826.25	\$120.31
184	\$ 1,125.84	\$ 621.30	\$ 1,747.14	\$ 1,167.40	\$ 698.69	\$ 1,866.09	\$118.95
192	\$ 1,161.12	\$ 627.22	\$ 1,788.34	\$ 1,201.08	\$ 704.85	\$ 1,905.93	\$117.59
200	\$ 1,196.40	\$ 633.14	\$ 1,829.54	\$ 1,234.76	\$ 711.01	\$ 1,945.77	\$116.23
208	\$ 1,231.68	\$ 639.06	\$ 1,870.74	\$ 1,268.44	\$ 717.17	\$ 1,985.61	\$114.87
216	\$ 1,266.96	\$ 644.98	\$ 1,911.94	\$ 1,302.12	\$ 723.33	\$ 2,025.45	\$113.51
224	\$ 1,302.24	\$ 650.90	\$ 1,953.14	\$ 1,335.80	\$ 729.49	\$ 2,065.29	\$112.15
232	\$ 1,337.52	\$ 656.82	\$ 1,994.34	\$ 1,369.48	\$ 735.65	\$ 2,105.13	\$110.79
240	\$ 1,372.80	\$ 662.74	\$ 2,035.54	\$ 1,403.16	\$ 741.81	\$ 2,144.97	\$109.43

4-Inch Billings

Non-Residential Rates

000/mo	FY2020/21 Adopted			FY2020/21 Cost of Service			Delta
	Water	Sewer	Total Bill	Water	Sewer	Total Bill	
-	\$ 521.40	\$ 756.85	\$ 1,278.25	\$ 632.98	\$ 869.21	\$ 1,502.19	\$223.94
20	\$ 589.86	\$ 771.65	\$ 1,361.51	\$ 704.04	\$ 884.61	\$ 1,588.65	\$227.14
40	\$ 678.06	\$ 786.45	\$ 1,464.51	\$ 788.24	\$ 900.01	\$ 1,688.25	\$223.74
60	\$ 766.26	\$ 801.25	\$ 1,567.51	\$ 872.44	\$ 915.41	\$ 1,787.85	\$220.34
80	\$ 854.46	\$ 816.05	\$ 1,670.51	\$ 956.64	\$ 930.81	\$ 1,887.45	\$216.94
100	\$ 942.66	\$ 830.85	\$ 1,773.51	\$ 1,040.84	\$ 946.21	\$ 1,987.05	\$213.54
120	\$ 1,030.86	\$ 845.65	\$ 1,876.51	\$ 1,125.04	\$ 961.61	\$ 2,086.65	\$210.14
140	\$ 1,119.06	\$ 860.45	\$ 1,979.51	\$ 1,209.24	\$ 977.01	\$ 2,186.25	\$206.74
150	\$ 1,163.16	\$ 867.85	\$ 2,031.01	\$ 1,251.34	\$ 984.71	\$ 2,236.05	\$205.04
160	\$ 1,207.26	\$ 875.25	\$ 2,082.51	\$ 1,293.44	\$ 992.41	\$ 2,285.85	\$203.34
180	\$ 1,295.46	\$ 890.05	\$ 2,185.51	\$ 1,377.64	\$ 1,007.81	\$ 2,385.45	\$199.94
200	\$ 1,383.66	\$ 904.85	\$ 2,288.51	\$ 1,461.84	\$ 1,023.21	\$ 2,485.05	\$196.54
220	\$ 1,471.86	\$ 919.65	\$ 2,391.51	\$ 1,546.04	\$ 1,038.61	\$ 2,584.65	\$193.14
240	\$ 1,560.06	\$ 934.45	\$ 2,494.51	\$ 1,630.24	\$ 1,054.01	\$ 2,684.25	\$189.74
260	\$ 1,648.26	\$ 949.25	\$ 2,597.51	\$ 1,714.44	\$ 1,069.41	\$ 2,783.85	\$186.34
270	\$ 1,692.36	\$ 956.65	\$ 2,649.01	\$ 1,756.54	\$ 1,077.11	\$ 2,833.65	\$184.64
280	\$ 1,736.46	\$ 964.05	\$ 2,700.51	\$ 1,798.64	\$ 1,084.81	\$ 2,883.45	\$182.94
290	\$ 1,780.56	\$ 971.45	\$ 2,752.01	\$ 1,840.74	\$ 1,092.51	\$ 2,933.25	\$181.24
300	\$ 1,824.66	\$ 978.85	\$ 2,803.51	\$ 1,882.84	\$ 1,100.21	\$ 2,983.05	\$179.54

6-Inch Billings

Non-Residential Rates

000/mo	FY2020/21 Adopted			FY2020/21 Cost of Service			Delta
	Water	Sewer	Total Bill	Water	Sewer	Total Bill	
-	\$ 1,041.50	\$ 1,511.68	\$ 2,553.18	\$ 1,263.75	\$ 1,736.42	\$ 3,000.17	\$446.99
20	\$ 1,109.96	\$ 1,526.48	\$ 2,636.44	\$ 1,334.81	\$ 1,751.82	\$ 3,086.63	\$450.19
40	\$ 1,198.16	\$ 1,541.28	\$ 2,739.44	\$ 1,419.01	\$ 1,767.22	\$ 3,186.23	\$446.79
60	\$ 1,286.36	\$ 1,556.08	\$ 2,842.44	\$ 1,503.21	\$ 1,782.62	\$ 3,285.83	\$443.39
80	\$ 1,374.56	\$ 1,570.88	\$ 2,945.44	\$ 1,587.41	\$ 1,798.02	\$ 3,385.43	\$439.99
100	\$ 1,462.76	\$ 1,585.68	\$ 3,048.44	\$ 1,671.61	\$ 1,813.42	\$ 3,485.03	\$436.59
120	\$ 1,550.96	\$ 1,600.48	\$ 3,151.44	\$ 1,755.81	\$ 1,828.82	\$ 3,584.63	\$433.19
140	\$ 1,639.16	\$ 1,615.28	\$ 3,254.44	\$ 1,840.01	\$ 1,844.22	\$ 3,684.23	\$429.79
150	\$ 1,683.26	\$ 1,622.68	\$ 3,305.94	\$ 1,882.11	\$ 1,851.92	\$ 3,734.03	\$428.09
160	\$ 1,727.36	\$ 1,630.08	\$ 3,357.44	\$ 1,924.21	\$ 1,859.62	\$ 3,783.83	\$426.39
180	\$ 1,815.56	\$ 1,644.88	\$ 3,460.44	\$ 2,008.41	\$ 1,875.02	\$ 3,883.43	\$422.99
200	\$ 1,903.76	\$ 1,659.68	\$ 3,563.44	\$ 2,092.61	\$ 1,890.42	\$ 3,983.03	\$419.59
220	\$ 1,991.96	\$ 1,674.48	\$ 3,666.44	\$ 2,176.81	\$ 1,905.82	\$ 4,082.63	\$416.19
240	\$ 2,080.16	\$ 1,689.28	\$ 3,769.44	\$ 2,261.01	\$ 1,921.22	\$ 4,182.23	\$412.79
260	\$ 2,168.36	\$ 1,704.08	\$ 3,872.44	\$ 2,345.21	\$ 1,936.62	\$ 4,281.83	\$409.39
270	\$ 2,212.46	\$ 1,711.48	\$ 3,923.94	\$ 2,387.31	\$ 1,944.32	\$ 4,331.63	\$407.69
280	\$ 2,256.56	\$ 1,718.88	\$ 3,975.44	\$ 2,429.41	\$ 1,952.02	\$ 4,381.43	\$405.99
290	\$ 2,300.66	\$ 1,726.28	\$ 4,026.94	\$ 2,471.51	\$ 1,959.72	\$ 4,431.23	\$404.29
300	\$ 2,344.76	\$ 1,733.68	\$ 4,078.44	\$ 2,513.61	\$ 1,967.42	\$ 4,481.03	\$402.59

RECLAIMED WATER

Service provided on a reserved capacity basis

Similar water quality to effluent managed through deep well disposal

Base facility charge and gallonage charge

Set-aside for the rate study since no significant cost differential

Potential to revisit these rates sometime in the future

Reclaimed Water Rates

	FY2020/21 Adopted
Monthly Base Facility Charge per 1,000 gallons per day reserved	\$8.75
Gallonage Charge per 1,000 gallons	\$0.36

CONNECTION CHARGES

AWWA and WEF System “Buy-In” Method
Unit Charges Scaled by ERC equivalencies
Reflects asset books values and CIP
Re-confirm existing charge schedule

Connection Fees

	ERC Equivalency	Potable Water	Wastewater	TOTAL
Residential - Single Family				
5/8 x 3/4 Inch Meter	1.0	\$1,500.00	\$1,200.00	\$2,700.00
1 Inch Meter	2.5	\$3,750.00	\$1,200.00	\$4,950.00
1-1/2 Inch Meter	5.0	\$7,500.00	\$1,200.00	\$8,700.00
2 Inch Meter	8.0	\$12,000.00	\$1,200.00	\$13,200.00
Residential - Multi-Family	0.67	\$1,071.00	\$1,092.00	\$2,163.00
Non-Residential				
Estimated usage per ERC	1.0	\$1,500.00	\$1,200.00	\$2,700.00