

Town of Richlands, VA
Water Rate Analysis for Proposed Upgrades
FY 2024

5/8" Meter In-Town Gallons of Use	Modeled Rate	Current Rate	Increase (Decrease)	Modeled Minimum	Current Minimum	Increase (Decrease)	Billing Adjustment
1,000	\$3.03	\$3.29	(\$0.26)	\$7.97	\$13.29	(\$5.32)	(\$5.58)
2,000	\$3.03	\$3.29	(\$0.26)	\$7.97	\$13.29	(\$5.32)	(\$5.84)
3,000	\$3.03	\$3.29	(\$0.26)	\$7.97	\$13.29	(\$5.32)	(\$6.10)
4,000	\$3.03	\$3.29	(\$0.26)	\$7.97	\$13.29	(\$5.32)	(\$6.36)
5,000	\$3.03	\$3.29	(\$0.26)	\$7.97	\$13.29	(\$5.32)	(\$6.62)
6,000	\$3.03	\$3.29	(\$0.26)	\$7.97	\$13.29	(\$5.32)	(\$6.88)
7,000	\$3.03	\$3.29	(\$0.26)	\$7.97	\$13.29	(\$5.32)	(\$7.14)
8,000	\$3.03	\$3.29	(\$0.26)	\$7.97	\$13.29	(\$5.32)	(\$7.40)
9,000	\$3.03	\$3.29	(\$0.26)	\$7.97	\$13.29	(\$5.32)	(\$7.66)
10,000	\$3.03	\$3.29	(\$0.26)	\$7.97	\$13.29	(\$5.32)	(\$7.92)
15,000	\$3.03	\$3.29	(\$0.26)	\$7.97	\$13.29	(\$5.32)	(\$9.22)
20,000	\$3.03	\$3.29	(\$0.26)	\$7.97	\$13.29	(\$5.32)	(\$10.52)
25,000	\$3.03	\$3.29	(\$0.26)	\$7.97	\$13.29	(\$5.32)	(\$11.82)
30,000	\$3.03	\$3.29	(\$0.26)	\$7.97	\$13.29	(\$5.32)	(\$13.12)
35,000	\$3.03	\$3.29	(\$0.26)	\$7.97	\$13.29	(\$5.32)	(\$14.42)
40,000	\$3.03	\$3.29	(\$0.26)	\$7.97	\$13.29	(\$5.32)	(\$15.72)
45,000	\$3.03	\$3.29	(\$0.26)	\$7.97	\$13.29	(\$5.32)	(\$17.02)
50,000	\$3.03	\$3.29	(\$0.26)	\$7.97	\$13.29	(\$5.32)	(\$18.32)
100,000	\$3.03	\$3.29	(\$0.26)	\$7.97	\$13.29	(\$5.32)	(\$31.32)

Note: This scenario reflects a 9.4% decrease and is only associated with the current proposed upgrades. It is applied ratably over the loan term. Keep in mind with the proposed economic development project, the water treatment plant would be at or more than capacity and would require a license upgrade.

Town of Richlands, VA
Wastewater Rate Analysis for Proposed Upgrades
Scenario 1
FY 2024

5/8" Meter In-Town Gallons of Use	Modeled Rate	Current Rate	Increase (Decrease)	Modeled Minimum	Current Minimum	Increase (Decrease)	Billing Adjustment
1,000	\$6.13	\$4.05	\$2.08	\$18.34	\$17.93	\$0.41	\$2.49
2,000	\$6.13	\$4.05	\$2.08	\$18.34	\$17.93	\$0.41	\$4.57
3,000	\$6.13	\$4.05	\$2.08	\$18.34	\$17.93	\$0.41	\$6.65
4,000	\$6.13	\$4.05	\$2.08	\$18.34	\$17.93	\$0.41	\$8.73
5,000	\$6.13	\$4.05	\$2.08	\$18.34	\$17.93	\$0.41	\$10.81
6,000	\$6.13	\$4.05	\$2.08	\$18.34	\$17.93	\$0.41	\$12.89
7,000	\$6.13	\$4.05	\$2.08	\$18.34	\$17.93	\$0.41	\$14.97
8,000	\$6.13	\$4.05	\$2.08	\$18.34	\$17.93	\$0.41	\$17.05
9,000	\$6.13	\$4.05	\$2.08	\$18.34	\$17.93	\$0.41	\$19.13
10,000	\$6.13	\$4.05	\$2.08	\$18.34	\$17.93	\$0.41	\$21.21
15,000	\$6.13	\$4.05	\$2.08	\$18.34	\$17.93	\$0.41	\$31.61
20,000	\$6.13	\$4.05	\$2.08	\$18.34	\$17.93	\$0.41	\$42.01
25,000	\$6.13	\$4.05	\$2.08	\$18.34	\$17.93	\$0.41	\$52.41
30,000	\$6.13	\$4.05	\$2.08	\$18.34	\$17.93	\$0.41	\$62.81
35,000	\$6.13	\$4.05	\$2.08	\$18.34	\$17.93	\$0.41	\$73.21
40,000	\$6.13	\$4.05	\$2.08	\$18.34	\$17.93	\$0.41	\$83.61
45,000	\$6.13	\$4.05	\$2.08	\$18.34	\$17.93	\$0.41	\$94.01
50,000	\$6.13	\$4.05	\$2.08	\$18.34	\$17.93	\$0.41	\$104.41
100,000	\$6.13	\$4.05	\$2.08	\$18.34	\$17.93	\$0.41	\$208.41

Note: This scenario reflects a 51.4% increase and is only associated with the current proposed upgrades. It is applied ratably over the loan term.

Town of Richlands, VA
Wastewater Rate Analysis for Proposed Upgrades
Scenario 2
FY 2024

5/8" Meter In-Town Gallons of Use	Modeled Rate	Current Rate	Increase (Decrease)	Modeled Minimum	Current Minimum	Increase (Decrease)	Billing Adjustment
1,000	\$7.36	\$4.05	\$3.31	\$22.01	\$17.93	\$4.08	\$7.38
2,000	\$7.36	\$4.05	\$3.31	\$22.01	\$17.93	\$4.08	\$10.69
3,000	\$7.36	\$4.05	\$3.31	\$22.01	\$17.93	\$4.08	\$14.00
4,000	\$7.36	\$4.05	\$3.31	\$22.01	\$17.93	\$4.08	\$17.30
5,000	\$7.36	\$4.05	\$3.31	\$22.01	\$17.93	\$4.08	\$20.61
6,000	\$7.36	\$4.05	\$3.31	\$22.01	\$17.93	\$4.08	\$23.91
7,000	\$7.36	\$4.05	\$3.31	\$22.01	\$17.93	\$4.08	\$27.22
8,000	\$7.36	\$4.05	\$3.31	\$22.01	\$17.93	\$4.08	\$30.53
9,000	\$7.36	\$4.05	\$3.31	\$22.01	\$17.93	\$4.08	\$33.83
10,000	\$7.36	\$4.05	\$3.31	\$22.01	\$17.93	\$4.08	\$37.14
15,000	\$7.36	\$4.05	\$3.31	\$22.01	\$17.93	\$4.08	\$53.67
20,000	\$7.36	\$4.05	\$3.31	\$22.01	\$17.93	\$4.08	\$70.20
25,000	\$7.36	\$4.05	\$3.31	\$22.01	\$17.93	\$4.08	\$86.73
30,000	\$7.36	\$4.05	\$3.31	\$22.01	\$17.93	\$4.08	\$103.26
35,000	\$7.36	\$4.05	\$3.31	\$22.01	\$17.93	\$4.08	\$119.79
40,000	\$7.36	\$4.05	\$3.31	\$22.01	\$17.93	\$4.08	\$136.32
45,000	\$7.36	\$4.05	\$3.31	\$22.01	\$17.93	\$4.08	\$152.85
50,000	\$7.36	\$4.05	\$3.31	\$22.01	\$17.93	\$4.08	\$169.38
100,000	\$7.36	\$4.05	\$3.31	\$22.01	\$17.93	\$4.08	\$334.68

Note: This scenario reflects a 61.7% increase and is only associated with the current proposed upgrades. It is an additional 20% of total increase applied prior to the construction period for approximately 1 - 1.5 years. It would be followed by a nominal decrease for the remainder of the loan term.

Town of Richlands, VA
Wastewater Rate Analysis for Proposed Upgrades
Scenario 3
FY 2024

5/8" Meter In-Town Gallons of Use	Modeled Rate	Current Rate	Increase (Decrease)	Modeled Minimum	Current Minimum	Increase (Decrease)	Billing Adjustment
1,000	\$4.74	\$4.05	\$0.69	\$18.07	\$17.93	\$0.14	\$0.83
2,000	\$4.74	\$4.05	\$0.69	\$18.07	\$17.93	\$0.14	\$1.52
3,000	\$4.74	\$4.05	\$0.69	\$18.07	\$17.93	\$0.14	\$2.21
4,000	\$4.74	\$4.05	\$0.69	\$18.07	\$17.93	\$0.14	\$2.90
5,000	\$4.74	\$4.05	\$0.69	\$18.07	\$17.93	\$0.14	\$3.59
6,000	\$4.74	\$4.05	\$0.69	\$18.07	\$17.93	\$0.14	\$4.28
7,000	\$4.74	\$4.05	\$0.69	\$18.07	\$17.93	\$0.14	\$4.97
8,000	\$4.74	\$4.05	\$0.69	\$18.07	\$17.93	\$0.14	\$5.66
9,000	\$4.74	\$4.05	\$0.69	\$18.07	\$17.93	\$0.14	\$6.35
10,000	\$4.74	\$4.05	\$0.69	\$18.07	\$17.93	\$0.14	\$7.04
15,000	\$4.74	\$4.05	\$0.69	\$18.07	\$17.93	\$0.14	\$10.49
20,000	\$4.74	\$4.05	\$0.69	\$18.07	\$17.93	\$0.14	\$13.94
25,000	\$4.74	\$4.05	\$0.69	\$18.07	\$17.93	\$0.14	\$17.39
30,000	\$4.74	\$4.05	\$0.69	\$18.07	\$17.93	\$0.14	\$20.84
35,000	\$4.74	\$4.05	\$0.69	\$18.07	\$17.93	\$0.14	\$24.29
40,000	\$4.74	\$4.05	\$0.69	\$18.07	\$17.93	\$0.14	\$27.74
45,000	\$4.74	\$4.05	\$0.69	\$18.07	\$17.93	\$0.14	\$31.19
50,000	\$4.74	\$4.05	\$0.69	\$18.07	\$17.93	\$0.14	\$34.64
100,000	\$4.74	\$4.05	\$0.69	\$18.07	\$17.93	\$0.14	\$69.14

Note: This scenario reflects a 17.1% increase and is only associated with the current proposed upgrades. It is a 33% reduction of total increase applied prior to the construction period for approximately 1 - 1.5 years. It would be followed by two nominal annual increases of \$0.71 and \$0.76 at the beginning of the loan term.