

City of Waverly, Nebraska
Utility Rate Study
Flow of Future Funds - Water
Existing Rate Schedule

Monthly Water Use Rate Categories:

	2024	2025	All User Rates 2026	2027	2028	2029
<u>Base Charges (Based on Meter Size)</u>						
3/4" and Under	\$17.54	\$17.54	\$17.54	\$17.54	\$17.54	\$17.54
1"	\$17.87	\$17.87	\$17.87	\$17.87	\$17.87	\$17.87
1 1/2"	\$39.48	\$39.48	\$39.48	\$39.48	\$39.48	\$39.48
2"	\$64.58	\$64.58	\$64.58	\$64.58	\$64.58	\$64.58
3"	\$142.17	\$142.17	\$142.17	\$142.17	\$142.17	\$142.17
4"	\$231.53	\$231.53	\$231.53	\$231.53	\$231.53	\$231.53
<u>Commodity Charges</u>						
\$/1,000 Gal	\$/1,000 Gal	\$/1,000 Gal	\$/1,000 Gal	\$/1,000 Gal	\$/1,000 Gal	\$/1,000 Gal
0 to 10,000	\$1.92	\$1.92	\$1.92	\$1.92	\$1.92	\$1.92
10,001 to 20,000	\$2.47	\$2.47	\$2.47	\$2.47	\$2.47	\$2.47
Over 20,001	\$3.09	\$3.09	\$3.09	\$3.09	\$3.09	\$3.09
Average Yearly Revenue Increase:	2.0%	Inflation:	4.0%	Reserve Fund:	5.0%	

Projected Years

	2024	2025	2026	2027	2028	2029
Operating Revenue & Expenses						
Water Revenue	\$851,950	\$868,328	\$886,090	\$904,296	\$922,763	\$941,703
Other Income	\$49,700	\$49,700	\$49,700	\$49,700	\$49,700	\$49,700
Total Operating Revenue	\$901,650	\$918,028	\$935,790	\$953,996	\$972,463	\$991,403
O & M Expenses (Less Depreciation, Capital Improvements, and Debt Service)	\$574,400	\$1,020,400	\$1,044,800	\$1,070,200	\$1,096,400	\$1,123,400
Net Operating Revenue	\$327,250	(\$102,372)	(\$109,010)	(\$116,204)	(\$123,937)	(\$131,997)
Debt Service						
Proposed Bond Issuance	\$0	\$0	\$0	\$0	\$0	\$0
Existing Bond and Interest Payments	\$136,213	\$130,598	\$129,821	\$128,873	\$127,723	\$131,340
Proposed Bond and Interest Payments	\$0	\$0	\$0	\$0	\$0	\$0
Other Obligations						
Capital Improvement Projects	\$157,700	\$541,460	\$541,460	\$541,460	\$541,460	\$541,460
Reserve	\$42,598	\$43,416	\$44,304	\$45,215	\$46,138	\$47,085
Total Other Obligations	\$200,298	\$584,876	\$585,764	\$586,675	\$587,598	\$588,545
Total Annual Revenue	\$901,650	\$918,028	\$935,790	\$953,996	\$972,463	\$991,403
Total Annual Expenses	\$910,910	\$1,735,874	\$1,760,386	\$1,785,747	\$1,811,721	\$1,843,285
Deficiency of Water Service Revenue	-1%	-89%	-88%	-87%	-86%	-86%
Beginning Cash Balance	\$1,738,923	\$1,729,663	\$911,817	\$87,221	(\$744,531)	(\$1,583,788)
Ending Cash Balance	\$1,729,663	\$911,817	\$87,221	(\$744,531)	(\$1,583,788)	(\$2,435,670)

City of Waverly, Nebraska
Utility Rate Study
Flow of Future Funds - Water
W RS-1a

Monthly Water Use Rate Categories:

	2024	2025	All User Rates 2026	2027	2028	2029
<u>Base Charges (Based on Meter Size)</u>						
3/4" and Under	\$17.54	\$26.31	\$27.63	\$29.01	\$30.46	\$31.98
1"	\$17.87	\$26.81	\$28.15	\$29.55	\$31.03	\$32.58
1 1/2"	\$39.48	\$59.22	\$62.18	\$65.29	\$68.55	\$71.98
2"	\$64.58	\$96.87	\$101.71	\$106.80	\$112.14	\$117.75
3"	\$142.17	\$213.26	\$223.92	\$235.11	\$246.87	\$259.21
4"	\$231.53	\$347.30	\$364.66	\$382.89	\$402.04	\$422.14
<u>General Commodity Charges</u>						
\$/1,000 Gal	\$/1,000 Gal	\$/1,000 Gal	\$/1,000 Gal	\$/1,000 Gal	\$/1,000 Gal	\$/1,000 Gal
0 to 10,000	\$1.92	\$2.88	\$3.05	\$3.24	\$3.43	\$3.64
10,001 to 20,000	\$2.47	\$3.71	\$3.93	\$4.16	\$4.41	\$4.68
Over 20,001	\$3.09	\$4.64	\$4.91	\$5.21	\$5.52	\$5.85
Average Yearly Revenue Increase:	16.7%	Inflation:	4.0%	Reserve Fund:	5.0%	

Projected Years						
	2024	2025	2026	2027	2028	2029
Operating Revenue & Expenses						
Water Revenue	\$851,950	\$1,302,491	\$1,402,830	\$1,511,044	\$1,627,423	\$1,752,958
Other Income	\$49,700	\$49,700	\$49,700	\$49,700	\$49,700	\$49,700
Total Operating Revenue	\$901,650	\$1,352,191	\$1,452,530	\$1,560,744	\$1,677,123	\$1,802,658
O & M Expenses (Less Depreciation, Capital Improvements, and Debt Service)	\$574,400	\$1,020,400	\$1,044,800	\$1,070,200	\$1,096,400	\$1,123,400
Net Operating Revenue	\$327,250	\$331,791	\$407,730	\$490,544	\$580,723	\$679,258
Debt Service						
Proposed Bond Issuance	\$0	\$1,100,000	\$0	\$0	\$0	\$0
Existing Bond and Interest Payments	\$136,213	\$130,598	\$129,821	\$128,873	\$127,723	\$131,340
Proposed Bond and Interest Payments	\$0	\$97,214	\$97,214	\$97,214	\$97,214	\$97,214
Other Obligations						
Capital Improvement Projects	\$157,700	\$541,460	\$541,460	\$541,460	\$541,460	\$541,460
Reserve	\$42,598	\$65,125	\$70,141	\$75,552	\$81,371	\$87,648
Total Other Obligations	\$200,298	\$606,585	\$611,601	\$617,012	\$622,831	\$629,108
Total Annual Revenue	\$901,650	\$2,452,191	\$1,452,530	\$1,560,744	\$1,677,123	\$1,802,658
Total Annual Expenses	\$910,910	\$1,854,796	\$1,883,436	\$1,913,298	\$1,944,167	\$1,981,061
Deficiency of Water Service Revenue	-1%	---	-30%	-23%	-16%	-10%
Beginning Cash Balance	\$1,738,923	\$1,729,663	\$2,327,059	\$1,896,152	\$1,543,599	\$1,276,555
Ending Cash Balance	\$1,729,663	\$2,327,059	\$1,896,152	\$1,543,599	\$1,276,555	\$1,098,152

City of Waverly, Nebraska
Utility Rate Study
Flow of Future Funds - Water
W RS-2a

Monthly Water Use Rate Categories:

	2024	2025	All User Rates 2026	2027	2028	2029
<u>Base Charges (Based on Meter Size)</u>						
3/4" and Under	\$17.54	\$18.77	\$20.08	\$21.49	\$22.99	\$24.60
1"	\$17.87	\$19.12	\$20.46	\$21.89	\$23.42	\$25.06
1 1/2"	\$39.48	\$42.24	\$45.20	\$48.36	\$51.75	\$55.37
2"	\$64.58	\$69.10	\$73.94	\$79.11	\$84.65	\$90.58
3"	\$142.17	\$152.12	\$162.77	\$174.16	\$186.36	\$199.40
4"	\$231.53	\$247.74	\$265.08	\$283.63	\$303.49	\$324.73
<u>Commodity Charges</u>						
	\$/1,000 Gal	\$/1,000 Gal	\$/1,000 Gal	\$/1,000 Gal	\$/1,000 Gal	\$/1,000 Gal
0 to 10,000	\$1.92	\$2.05	\$2.20	\$2.35	\$2.52	\$2.69
10,001 to 20,000	\$2.47	\$2.64	\$2.83	\$3.03	\$3.24	\$3.46
Over 20,001	\$3.09	\$3.31	\$3.54	\$3.79	\$4.05	\$4.33
Average Yearly Revenue Increase:	9.2%	Inflation:	4.0%	Reserve Fund:	5.0%	

Projected Years						
	2024	2025	2026	2027	2028	2029
Operating Revenue & Expenses						
Water Revenue	\$851,950	\$929,111	\$1,014,484	\$1,107,802	\$1,209,554	\$1,320,787
Other Income	\$49,700	\$49,700	\$49,700	\$49,700	\$49,700	\$49,700
Total Operating Revenue	\$901,650	\$978,811	\$1,064,184	\$1,157,502	\$1,259,254	\$1,370,487
O & M Expenses (Less Depreciation, Capital Improvements, and Debt Service)	\$574,400	\$1,020,400	\$1,044,800	\$1,070,200	\$1,096,400	\$1,123,400
Net Operating Revenue	\$327,250	(\$41,589)	\$19,384	\$87,302	\$162,854	\$247,087
Debt Service						
Proposed Bond Issuance	\$0	\$1,100,000	\$0	\$2,707,300	\$0	\$0
Existing Bond and Interest Payments	\$136,213	\$130,598	\$129,821	\$128,873	\$127,723	\$131,340
Proposed Bond and Interest Payments	\$0	\$97,214	\$97,214	\$336,474	\$336,474	\$336,474
Other Obligations						
Capital Improvement Projects	\$157,700	\$541,460	\$541,460	\$541,460	\$541,460	\$541,460
Reserve	\$42,598	\$46,456	\$50,724	\$55,390	\$60,478	\$66,039
Total Other Obligations	\$200,298	\$587,916	\$592,184	\$596,850	\$601,938	\$607,499
Total Annual Revenue	\$901,650	\$2,078,811	\$1,064,184	\$3,864,802	\$1,259,254	\$1,370,487
Total Annual Expenses	\$910,910	\$1,836,127	\$1,864,019	\$2,132,396	\$2,162,534	\$2,198,713
Deficiency of Water Service Revenue	-1%	---	-75%	---	-72%	-60%
Beginning Cash Balance	\$1,738,923	\$1,729,663	\$1,972,347	\$1,172,512	\$2,904,917	\$2,001,638
Ending Cash Balance	\$1,729,663	\$1,972,347	\$1,172,512	\$2,904,917	\$2,001,638	\$1,173,411

City of Waverly, Nebraska
Utility Rate Study
Flow of Future Funds - Water
W RS-3

Monthly Water Use Rate Categories:

	2024	2025	2026	2027	2028	2029
All User Rates						
<u>Base Charges (Based on Meter Size)</u>						
3/4" and Under	\$17.54	\$18.24	\$18.97	\$19.73	\$20.52	\$21.34
1"	\$17.87	\$18.58	\$19.33	\$20.10	\$20.91	\$21.74
1 1/2"	\$39.48	\$41.06	\$42.70	\$44.41	\$46.19	\$48.03
2"	\$64.58	\$67.16	\$69.85	\$72.64	\$75.55	\$78.57
3"	\$142.17	\$147.86	\$153.77	\$159.92	\$166.32	\$172.97
4"	\$231.53	\$240.79	\$250.42	\$260.44	\$270.86	\$281.69
<u>Commodity Charges</u>	\$/1,000 Gal	\$/1,000 Gal	\$/1,000 Gal	\$/1,000 Gal	\$/1,000 Gal	\$/1,000 Gal
0 to 10,000	\$1.92	\$2.00	\$2.08	\$2.16	\$2.25	\$2.34
10,001 to 20,000	\$2.47	\$2.57	\$2.67	\$2.78	\$2.89	\$3.01
Over 20,001	\$3.09	\$3.21	\$3.34	\$3.48	\$3.61	\$3.76
Average Yearly Revenue Increase:	6.1%	Inflation:	4.0%	Reserve Fund:	5.0%	

Projected Years						
	2024	2025	2026	2027	2028	2029
Operating Revenue & Expenses						
Water Revenue	\$851,950	\$903,061	\$958,395	\$1,017,210	\$1,079,502	\$1,145,726
Other Income	\$49,700	\$49,700	\$49,700	\$49,700	\$49,700	\$49,700
Total Operating Revenue	\$901,650	\$952,761	\$1,008,095	\$1,066,910	\$1,129,202	\$1,195,426
<i>O & M Expenses (Less Depreciation, Capital Improvements, and Debt Service)</i>	\$574,400	\$1,020,400	\$1,044,800	\$1,070,200	\$1,096,400	\$1,123,400
Net Operating Revenue	\$327,250	(\$67,639)	(\$36,705)	(\$3,290)	\$32,802	\$72,026
Debt Service						
Proposed Bond Issuance	\$0	\$2,707,300	\$0	\$0	\$2,108,000	\$0
Existing Bond and Interest Payments	\$136,213	\$130,598	\$129,821	\$128,873	\$127,723	\$131,340
Proposed Bond and Interest Payments	\$0	\$239,260	\$239,260	\$239,260	\$425,557	\$425,557
Other Obligations						
Capital Improvement Projects	\$157,700	\$541,460	\$541,460	\$541,460	\$541,460	\$541,460
Reserve	\$42,598	\$45,153	\$47,920	\$50,861	\$53,975	\$57,286
Total Other Obligations	\$200,298	\$586,613	\$589,380	\$592,321	\$595,435	\$598,746
Total Annual Revenue	\$901,650	\$3,660,061	\$1,008,095	\$1,066,910	\$3,237,202	\$1,195,426
Total Annual Expenses	\$910,910	\$1,976,871	\$2,003,261	\$2,030,653	\$2,245,114	\$2,279,043
Deficiency of Water Service Revenue	-1%	---	-99%	-90%	---	-91%
Beginning Cash Balance	\$1,738,923	\$1,729,663	\$3,412,853	\$2,417,686	\$1,453,943	\$2,446,031
Ending Cash Balance	\$1,729,663	\$3,412,853	\$2,417,686	\$1,453,943	\$2,446,031	\$1,362,414

Proposed Water System Capital Improvement Projects During Planning Period

Proposed Capital Improvement Project	Planning Cost
New Public Works Building	\$1,000,000.00
Water Main Extension #3 (N 148th St from Hwy 6 to Waverly Road)	\$513,300.00
New Well	\$944,000.00
Test Well Program	\$250,000.00
Total Capital Cost	\$2,707,300.00
Average Annual Capital Cost	\$541,460.00

Proposed Water System Maintenance Projects During Planning Period

Proposed Maintenance Project	Planning Cost
Redrill Well #6	\$708,000.00
Touch Up Water Tower Exterior	\$50,000.00
Replace Water Meter Radios & Reading System	\$250,000.00
Water Main Replacement on Oak Lane and Danvers Street	\$1,100,000.00
Total Capital Cost	\$2,108,000.00
Average Annual Capital Cost	\$421,600.00

Proposed Wastewater System Capital Improvement Projects During Planning Period

Proposed Capital Improvement Project	Planning Cost
East Sewer Trunk Extension (Hwy 6 to Bluff Rd) – Pipe Size Upcharge Only	\$294,000.00
New Public Works Building	\$1,000,000.00
Total Capital Improvements Projects Cost	\$1,294,000.00
Average Annual CIP Cost	\$258,800.00

Proposed Wastewater System Maintenance Projects During Planning Period

Proposed Maintenance Project	Planning Cost
Replace Sludge Press Control Panels	\$75,000.00
Vapor Root Sewer Lines	\$50,000.00
CIPP Program	\$250,000.00
Total Maintenance Project Cost	\$375,000.00
Average Annual Maintenance Cost Addition	\$75,000.00

City of Waverly, Nebraska
Utility Rate Study
Flow of Future Funds - Wastewater
Current Rate Model

Monthly Sewer Use Rate Categories:

	All User Rates					
	2024	2025	2026	2027	2028	2029
<u>Base Charges (Based on Meter Size)</u>						
Up to 1" Commercial	\$36.17	\$36.17	\$36.17	\$36.17	\$36.17	\$36.17
1.5" Commercial	\$47.84	\$47.84	\$47.84	\$47.84	\$47.84	\$47.84
2" Commercial	\$55.48	\$55.48	\$55.48	\$55.48	\$55.48	\$55.48
3" Commercial	\$72.46	\$72.46	\$72.46	\$72.46	\$72.46	\$72.46
4" Commercial	\$113.23	\$113.23	\$113.23	\$113.23	\$113.23	\$113.23
5/8"	\$36.17	\$36.17	\$36.17	\$36.17	\$36.17	\$36.17
3/4"	\$36.17	\$36.17	\$36.17	\$36.17	\$36.17	\$36.17
1"	\$36.17	\$36.17	\$36.17	\$36.17	\$36.17	\$36.17
1.5"	\$47.84	\$47.84	\$47.84	\$47.84	\$47.84	\$47.84
2"	\$55.48	\$55.48	\$55.48	\$55.48	\$55.48	\$55.48
4"	\$113.23	\$113.23	\$113.23	\$113.23	\$113.23	\$113.23
1.5 WA Industrial	\$47.84	\$47.84	\$47.84	\$47.84	\$47.84	\$47.84
2" WA IN Industrial	\$55.48	\$55.48	\$55.48	\$55.48	\$55.48	\$55.48
SW Manual Avg C	\$36.17	\$36.17	\$36.17	\$36.17	\$36.17	\$36.17
SW Manual Avg	\$36.17	\$36.17	\$36.17	\$36.17	\$36.17	\$36.17
SW Manual Avg I	\$113.23	\$113.23	\$113.23	\$113.23	\$113.23	\$113.23
MBA Sewer	\$113.23	\$113.23	\$113.23	\$113.23	\$113.23	\$113.23
<u>Commodity Charges</u>						
	\$/1,000 Gal	\$/1,000 Gal	\$/1,000 Gal	\$/1,000 Gal	\$/1,000 Gal	\$/1,000 Gal
Residential	\$3.52	\$3.52	\$3.52	\$3.52	\$3.52	\$3.52
Commercial	\$5.02	\$5.02	\$5.02	\$5.02	\$5.02	\$5.02
Industrial	\$6.88	\$6.88	\$6.88	\$6.88	\$6.88	\$6.88
<u>Industrial Surcharge Fees</u>						
BOD (if over 250 mg/l)	\$0.84	\$0.84	\$0.84	\$0.84	\$0.84	\$0.84
COD (if over 400 mg/l)	\$0.50	\$0.50	\$0.50	\$0.50	\$0.50	\$0.50
TSS (if over 250 mg/l)	\$0.43	\$0.43	\$0.43	\$0.43	\$0.43	\$0.43
Average Yearly Revenue Increase:	2.1%	Inflation:	4.0%	Reserve Fund:	5.0%	

Projected Years						
	2024	2025	2026	2027	2028	2029
Operating Revenue & Expenses						
Wastewater Revenue	\$1,464,114	\$1,489,461	\$1,522,226	\$1,555,707	\$1,589,924	\$1,624,890
Other Income	\$42,200	\$44,100	\$46,100	\$48,100	\$50,200	\$52,400
Total Operating Revenue	\$1,506,314	\$1,533,561	\$1,568,326	\$1,603,807	\$1,640,124	\$1,677,290
<i>O & M Expenses (Less Depreciation, Capital Improvements, and Debt Service)</i>	\$497,900	\$594,600	\$614,700	\$635,500	\$657,100	\$679,600
Net Operating Revenue	\$1,008,414	\$938,961	\$953,626	\$968,307	\$983,024	\$997,690
Debt Service						
Proposed Bond Issuance	\$0	\$0	\$0	\$0	\$0	\$0
Existing Bond and Interest Payments	\$556,223	\$553,209	\$554,613	\$560,118	\$559,768	\$558,558
Proposed Bond and Interest Payments	\$0	\$0	\$0	\$0	\$0	\$0
Other Obligations						
Capital Improvements Projects	\$48,700	\$258,800	\$258,800	\$258,800	\$258,800	\$258,800
Reserve	\$73,206	\$74,473	\$76,111	\$77,785	\$79,496	\$81,244
Total Other Obligations	\$121,906	\$333,273	\$334,911	\$336,585	\$338,296	\$340,044
Total Annual Revenue	\$1,506,314	\$1,533,561	\$1,568,326	\$1,603,807	\$1,640,124	\$1,677,290
Total Annual Expenses	\$1,176,028	\$1,481,082	\$1,504,224	\$1,532,203	\$1,555,164	\$1,578,202
Deficiency of Sewer Service Revenue	---	---	---	---	---	---
Beginning Cash Balance	\$4,900,412	\$5,230,698	\$5,283,178	\$5,347,280	\$5,418,884	\$5,503,844
Ending Cash Balance	\$5,230,698	\$5,283,178	\$5,347,280	\$5,418,884	\$5,503,844	\$5,602,932

City of Waverly, Nebraska
Utility Rate Study
Flow of Future Funds - Wastewater
WW RS-1

Monthly Sewer Use Rate Categories:

	2024	2025	2026	2027	2028	2029
All User Rates						
<u>Base Charges (Based on Meter Size)</u>						
Up to 1" Commercial	\$36.17	\$36.53	\$36.90	\$37.27	\$37.64	\$38.02
1.5" Commercial	\$47.84	\$48.32	\$48.80	\$49.29	\$49.78	\$50.28
2" Commercial	\$55.48	\$56.03	\$56.60	\$57.16	\$57.73	\$58.31
3" Commercial	\$72.46	\$73.18	\$73.92	\$74.66	\$75.40	\$76.16
4" Commercial	\$113.23	\$114.36	\$115.51	\$116.66	\$117.83	\$119.01
5/8"	\$36.17	\$36.53	\$36.90	\$37.27	\$37.64	\$38.02
3/4"	\$36.17	\$36.53	\$36.90	\$37.27	\$37.64	\$38.02
1"	\$36.17	\$36.53	\$36.90	\$37.27	\$37.64	\$38.02
1.5"	\$47.84	\$48.32	\$48.80	\$49.29	\$49.78	\$50.28
2"	\$55.48	\$56.03	\$56.60	\$57.16	\$57.73	\$58.31
4"	\$113.23	\$114.36	\$115.51	\$116.66	\$117.83	\$119.01
1.5 WA Industrial	\$47.84	\$48.32	\$48.80	\$49.29	\$49.78	\$50.28
2" WA IN Industrial	\$55.48	\$56.03	\$56.60	\$57.16	\$57.73	\$58.31
SW Manual Avg C	\$36.17	\$36.53	\$36.90	\$37.27	\$37.64	\$38.02
SW Manual Avg	\$36.17	\$36.53	\$36.90	\$37.27	\$37.64	\$38.02
SW Manual Avg I	\$113.23	\$114.36	\$115.51	\$116.66	\$117.83	\$119.01
MBA Sewer	\$113.23	\$114.36	\$115.51	\$116.66	\$117.83	\$119.01
<u>Commodity Charges</u>	\$/1,000 Gal	\$/1,000 Gal	\$/1,000 Gal	\$/1,000 Gal	\$/1,000 Gal	\$/1,000 Gal
Residential	\$3.52	\$3.56	\$3.59	\$3.63	\$3.66	\$3.70
Commercial	\$5.02	\$5.07	\$5.12	\$5.17	\$5.22	\$5.28
Industrial	\$6.88	\$6.95	\$7.02	\$7.09	\$7.16	\$7.23
<u>Industrial Surcharge Fees</u>						
BOD (if over 250 mg/l)	\$0.84	\$0.85	\$0.86	\$0.87	\$0.87	\$0.88
COD (if over 400 mg/l)	\$0.50	\$0.51	\$0.51	\$0.52	\$0.52	\$0.53
TSS (if over 250 mg/l)	\$0.43	\$0.43	\$0.44	\$0.44	\$0.45	\$0.45

Average Yearly Revenue Increase: 3.1% Inflation: 4.0% Reserve Fund: 5.0%

Projected Years						
	2024	2025	2026	2027	2028	2029
Operating Revenue & Expenses						
Wastewater Revenue	\$1,464,114	\$1,504,356	\$1,552,822	\$1,602,846	\$1,654,482	\$1,707,775
Other Income	\$42,200	\$44,100	\$46,100	\$48,100	\$50,200	\$52,400
Total Operating Revenue	\$1,506,314	\$1,548,456	\$1,598,922	\$1,650,946	\$1,704,682	\$1,760,175
O & M Expenses (Less Depreciation, Capital Improvements, and Debt Service)	\$497,900	\$594,600	\$614,700	\$635,500	\$657,100	\$679,600
Net Operating Revenue	\$1,008,414	\$953,856	\$984,222	\$1,015,446	\$1,047,582	\$1,080,575
Debt Service						
Proposed Bond Issuance	\$0	\$0	\$0	\$0	\$0	\$0
Existing Bond and Interest Payments	\$556,223	\$553,209	\$554,613	\$560,118	\$559,768	\$558,558
Proposed Bond and Interest Payments	\$0	\$0	\$0	\$0	\$0	\$0
Other Obligations						
Capital Improvements Projects	\$48,700	\$258,800	\$258,800	\$258,800	\$258,800	\$258,800
Reserve	\$73,206	\$75,218	\$77,641	\$80,142	\$82,724	\$85,389
Total Other Obligations	\$121,906	\$334,018	\$336,441	\$338,942	\$341,524	\$344,189
Total Annual Revenue	\$1,506,314	\$1,548,456	\$1,598,922	\$1,650,946	\$1,704,682	\$1,760,175
Total Annual Expenses	\$1,176,028	\$1,481,827	\$1,505,754	\$1,534,560	\$1,558,392	\$1,582,346
Deficiency of Sewer Service Revenue	---	---	---	---	---	---
Beginning Cash Balance	\$4,900,412	\$5,230,698	\$5,297,328	\$5,390,496	\$5,506,883	\$5,653,173
Ending Cash Balance	\$5,230,698	\$5,297,328	\$5,390,496	\$5,506,883	\$5,653,173	\$5,831,002

City of Waverly, Nebraska
Utility Rate Study
Flow of Future Funds - Wastewater
WW RS-2

Monthly Sewer Use Rate Categories:

	All User Rates					
	2024	2025	2026	2027	2028	2029
<u>Base Charges (Based on Meter Size)</u>						
Up to 1" Commercial	\$36.17	\$36.17	\$36.17	\$36.17	\$36.17	\$36.17
1.5" Commercial	\$47.84	\$47.84	\$47.84	\$47.84	\$47.84	\$47.84
2" Commercial	\$55.48	\$55.48	\$55.48	\$55.48	\$55.48	\$55.48
3" Commercial	\$72.46	\$72.46	\$72.46	\$72.46	\$72.46	\$72.46
4" Commercial	\$113.23	\$113.23	\$113.23	\$113.23	\$113.23	\$113.23
5/8"	\$36.17	\$36.17	\$36.17	\$36.17	\$36.17	\$36.17
3/4"	\$36.17	\$36.17	\$36.17	\$36.17	\$36.17	\$36.17
1"	\$36.17	\$36.17	\$36.17	\$36.17	\$36.17	\$36.17
1.5"	\$47.84	\$47.84	\$47.84	\$47.84	\$47.84	\$47.84
2"	\$55.48	\$55.48	\$55.48	\$55.48	\$55.48	\$55.48
4"	\$113.23	\$113.23	\$113.23	\$113.23	\$113.23	\$113.23
1.5 WA Industrial	\$47.84	\$47.84	\$47.84	\$47.84	\$47.84	\$47.84
2" WA IN Industrial	\$55.48	\$55.48	\$55.48	\$55.48	\$55.48	\$55.48
SW Manual Avg C	\$36.17	\$36.17	\$36.17	\$36.17	\$36.17	\$36.17
SW Manual Avg	\$36.17	\$36.17	\$36.17	\$36.17	\$36.17	\$36.17
SW Manual Avg I	\$113.23	\$113.23	\$113.23	\$113.23	\$113.23	\$113.23
MBA Sewer	\$113.23	\$113.23	\$113.23	\$113.23	\$113.23	\$113.23
<u>Commodity Charges</u>						
	\$/1,000 Gal	\$/1,000 Gal	\$/1,000 Gal	\$/1,000 Gal	\$/1,000 Gal	\$/1,000 Gal
Residential	\$3.52	\$3.52	\$3.52	\$3.52	\$3.52	\$3.52
Commercial	\$5.02	\$5.02	\$5.02	\$5.02	\$5.02	\$5.02
Industrial	\$6.88	\$6.88	\$6.88	\$6.88	\$6.88	\$6.88
<u>Industrial Surcharge Fees</u>						
BOD (if over 250 mg/l)	\$0.84	\$0.84	\$0.84	\$0.84	\$0.84	\$0.84
COD (if over 400 mg/l)	\$0.50	\$0.50	\$0.50	\$0.50	\$0.50	\$0.50
TSS (if over 250 mg/l)	\$0.43	\$0.43	\$0.43	\$0.43	\$0.43	\$0.43

Average Yearly Revenue Increase: 2.1% Inflation: 4.0% Reserve Fund: 5.0%

Projected Years						
	2024	2025	2026	2027	2028	2029
Operating Revenue & Expenses						
Wastewater Revenue	\$1,464,114	\$1,489,461	\$1,522,226	\$1,555,707	\$1,589,924	\$1,624,890
Other Income	\$42,200	\$44,100	\$46,100	\$48,100	\$50,200	\$52,400
Total Operating Revenue	\$1,506,314	\$1,533,561	\$1,568,326	\$1,603,807	\$1,640,124	\$1,677,290
O & M Expenses (Less Depreciation, Capital Improvements, and Debt Service)	\$497,900	\$594,600	\$614,700	\$635,500	\$657,100	\$679,600
Net Operating Revenue	\$1,008,414	\$938,961	\$953,626	\$968,307	\$983,024	\$997,690
Debt Service						
Proposed Bond Issuance	\$0	\$1,294,000	\$0	\$0	\$0	\$0
Existing Bond and Interest Payments	\$556,223	\$553,209	\$554,613	\$560,118	\$559,768	\$558,558
Proposed Bond and Interest Payments	\$0	\$0	\$114,358	\$114,358	\$114,358	\$114,358
Other Obligations						
Capital Improvements Projects	\$48,700	\$258,800	\$258,800	\$258,800	\$258,800	\$258,800
Reserve	\$73,206	\$74,473	\$76,111	\$77,785	\$79,496	\$81,244
Total Other Obligations	\$121,906	\$333,273	\$334,911	\$336,585	\$338,296	\$340,044
Total Annual Revenue	\$1,506,314	\$2,827,561	\$1,568,326	\$1,603,807	\$1,640,124	\$1,677,290
Total Annual Expenses	\$1,176,028	\$1,481,082	\$1,618,582	\$1,646,561	\$1,669,522	\$1,692,560
Deficiency of Sewer Service Revenue	---	---	-3.2%	-3%	-1.8%	-0.9%
Beginning Cash Balance	\$4,900,412	\$5,230,698	\$6,577,178	\$6,526,921	\$6,484,167	\$6,454,769
Ending Cash Balance	\$5,230,698	\$6,577,178	\$6,526,921	\$6,484,167	\$6,454,769	\$6,439,498

City of Waverly, Nebraska
Utility Rate Study
Flow of Future Funds - Wastewater
WW RS-3

Monthly Sewer Use Rate Categories:

	All User Rates					
	2024	2025	2026	2027	2028	2029
<u>Base Charges (Based on Meter Size)</u>						
Up to 1" Commercial	\$36.17	\$36.89	\$37.63	\$38.38	\$39.15	\$39.93
1.5" Commercial	\$47.84	\$48.80	\$49.77	\$50.77	\$51.78	\$52.82
2" Commercial	\$55.48	\$56.59	\$57.72	\$58.88	\$60.05	\$61.25
3" Commercial	\$72.46	\$73.91	\$75.39	\$76.90	\$78.43	\$80.00
4" Commercial	\$113.23	\$115.49	\$117.80	\$120.16	\$122.56	\$125.02
5/8"	\$36.17	\$36.89	\$37.63	\$38.38	\$39.15	\$39.93
3/4"	\$36.17	\$36.89	\$37.63	\$38.38	\$39.15	\$39.93
1"	\$36.17	\$36.89	\$37.63	\$38.38	\$39.15	\$39.93
1.5"	\$47.84	\$48.80	\$49.77	\$50.77	\$51.78	\$52.82
2"	\$55.48	\$56.59	\$57.72	\$58.88	\$60.05	\$61.25
4"	\$113.23	\$115.49	\$117.80	\$120.16	\$122.56	\$125.02
1.5 WA Industrial	\$47.84	\$48.80	\$49.77	\$50.77	\$51.78	\$52.82
2" WA IN Industrial	\$55.48	\$56.59	\$57.72	\$58.88	\$60.05	\$61.25
SW Manual Avg C	\$36.17	\$36.89	\$37.63	\$38.38	\$39.15	\$39.93
SW Manual Avg	\$36.17	\$36.89	\$37.63	\$38.38	\$39.15	\$39.93
SW Manual Avg I	\$113.23	\$115.49	\$117.80	\$120.16	\$122.56	\$125.02
MBA Sewer	\$113.23	\$115.49	\$117.80	\$120.16	\$122.56	\$125.02
<u>Commodity Charges</u>						
	\$/1,000 Gal	\$/1,000 Gal	\$/1,000 Gal	\$/1,000 Gal	\$/1,000 Gal	\$/1,000 Gal
Residential	\$3.52	\$3.59	\$3.66	\$3.74	\$3.81	\$3.89
Commercial	\$5.02	\$5.12	\$5.22	\$5.33	\$5.43	\$5.54
Industrial	\$6.88	\$7.02	\$7.16	\$7.30	\$7.45	\$7.60
<u>Industrial Surcharge Fees</u>						
BOD (if over 250 mg/l)	\$0.84	\$0.86	\$0.87	\$0.89	\$0.91	\$0.93
COD (if over 400 mg/l)	\$0.50	\$0.51	\$0.52	\$0.53	\$0.54	\$0.55
TSS (if over 250 mg/l)	\$0.43	\$0.44	\$0.45	\$0.46	\$0.47	\$0.47
Average Yearly Revenue Increase:	4.1%	Inflation:	4.0%	Reserve Fund:	5.0%	

Projected Years						
	2024	2025	2026	2027	2028	2029
Operating Revenue & Expenses						
Wastewater Revenue	\$1,464,114	\$1,519,251	\$1,583,724	\$1,650,929	\$1,720,985	\$1,794,010
Other Income	\$42,200	\$44,100	\$46,100	\$48,100	\$50,200	\$52,400
Total Operating Revenue	\$1,506,314	\$1,563,351	\$1,629,824	\$1,699,029	\$1,771,185	\$1,846,410
O & M Expenses (Less Depreciation, Capital Improvements, and Debt Service)	\$497,900	\$594,600	\$614,700	\$635,500	\$657,100	\$679,600
Net Operating Revenue	\$1,008,414	\$968,751	\$1,015,124	\$1,063,529	\$1,114,085	\$1,166,810
Debt Service						
Proposed Bond Issuance	\$0	\$0	\$0	\$0	\$0	\$0
Existing Bond and Interest Payments	\$556,223	\$553,209	\$554,613	\$560,118	\$559,768	\$558,558
Proposed Bond and Interest Payments	\$0	\$0	\$0	\$0	\$0	\$0
Other Obligations						
Capital Improvements Projects	\$48,700	\$258,800	\$258,800	\$258,800	\$258,800	\$258,800
Reserve	\$73,206	\$75,963	\$79,186	\$82,546	\$86,049	\$89,700
Total Other Obligations	\$121,906	\$334,763	\$337,986	\$341,346	\$344,849	\$348,500
Total Annual Revenue	\$1,506,314	\$1,563,351	\$1,629,824	\$1,699,029	\$1,771,185	\$1,846,410
Total Annual Expenses	\$1,176,028	\$1,482,571	\$1,507,299	\$1,536,964	\$1,561,717	\$1,586,658
Deficiency of Sewer Service Revenue	---	---	---	---	---	---
Beginning Cash Balance	\$4,900,412	\$5,230,698	\$5,311,477	\$5,434,002	\$5,596,067	\$5,805,535
Ending Cash Balance	\$5,230,698	\$5,311,477	\$5,434,002	\$5,596,067	\$5,805,535	\$6,065,287

Table 1: 2023 Average Monthly Water Bill

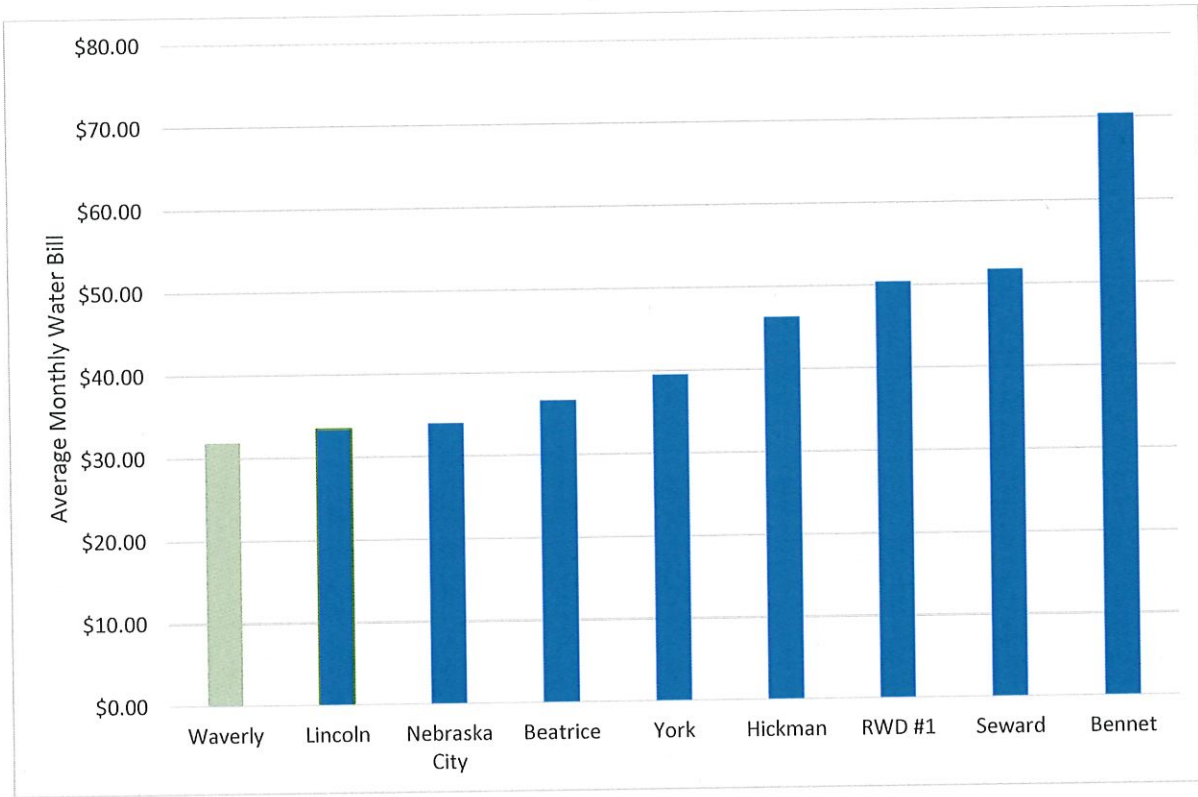


Table 2: 2023 Average Monthly Sewer Bill

