

2022 Water Rate Survey

**Iowa Cities
Population 10,000+
Prepared by City of Ames
Ames, Iowa**



2022 WATER RATE SURVEY
Monthly Charge For Water Used In Cubic Feet - Cities With Softening Plants
Iowa Cities (Population 10,000+)

Prepared by the City of Ames, Iowa

City	Rate Effective	0	200	300	400	600	800	1,000	10,000	50,000	100,000	
Altoona	Feb. 2022	11.16	14.22	18.82	23.43	32.65	41.86	51.08	465.80	2,309	4,613	Residential
									475.80	2,319	4,623	Commercial
Ames	Jul. 2021	13.15	18.29	20.86	23.43	28.57	33.71	38.85	336.27	1,629	3,257	
Ankeny <i>dsm</i>	Apr. 2022	9.37	18.19	22.61	27.02	35.85	47.02	59.41	627.87	3,146	6,312	
Boone	Jul. 2016	12.00	18.66	21.99	25.32	31.98	38.64	45.30	541.24	2,718	5,439	Residential
									353.14	1,694	3,370	Commercial
Burlington	Jul. 2022	23.88	23.88	23.88	23.88	23.88	27.94	34.13	293.21	1,056	1,894	
Cedar Rapids	Jul. 2022	15.60	20.93	23.59	26.25	31.58	36.90	42.23	295.41	1,395	2,770	
Clive § <i>dsm</i>	May 2022	0	8.23	16.46	16.46	32.92	41.15	57.61	609.02	3,078	6,156	
Council Bluffs	Jan. 2019	13.23	13.23	13.23	14.80	22.20	29.60	37.00	284.15	1,162	2,012	
Des Moines <i>dsm</i>	Apr. 2022	6.00	14.38	18.57	22.76	31.13	39.51	47.89	426.91	1,704	2,874	
Dubuque	Jul. 2022	8.27	8.27	12.41	16.54	24.82	33.09	41.36	367.75	1,672	3,121	
Fort Madison	Jan. 2022	10.80	20.39	25.18	29.98	39.57	49.16	58.75	437.34	1,791	3,310	
Grimes <i>dsm</i>	Aug. 2022	12.08	17.27	25.09	32.92	48.56	64.21	79.87	783.52	3,921	7,835	
Indianola	May 2022	10.00	13.10	17.78	22.45	31.80	41.15	50.51	471.28	2,341	4,679	Residential
		10.00	13.22	18.09	22.95	32.67	42.40	52.13	489.73	2,435	4,866	Commercial
Iowa City	Jul. 2021	8.19	12.01	15.83	19.65	27.29	34.93	42.57	313.12	1,427	2,821	
Johnston <i>dsm</i>	Jul. 2020	10.56	22.30	28.18	34.05	45.80	57.53	69.29	597.78	2,947	5,883	
Keokuk	Jan. 2022	16.29	16.29	17.10	19.59	24.58	29.56	34.54	253.34	1,072	2,078	
Marshalltown	Jul. 2022	10.22	15.82	18.62	21.42	27.02	32.62	38.22	292.46	1,428	2,844	Residential
		10.22	15.30	17.84	20.38	25.46	30.54	35.62	266.46	1,298	2,584	Commercial
Newton	Aug. 2019	11.45	11.45	14.32	17.19	22.93	28.67	34.41	292.71	1,441	2,876	Residential
		11.45	17.19	20.06	22.93	28.67	34.41	40.15	298.45	1,448	2,910	Commercial
Norwalk <i>dsm</i>	Jul. 2022	6.00	17.38	23.08	28.77	40.15	51.54	62.93	575.26	2,852	5,699	
Oskaloosa	Mar. 2019	15.84	15.84	23.76	31.68	47.52	63.36	79.20	792.00	3,960	7,920	
Ottumwa	Jan. 2022	14.14	21.98	25.90	29.82	37.66	45.50	53.34	412.60	2,001	3,474	
Pella	Jul. 2020	19.97	27.18	30.78	34.39	41.60	48.81	56.03	380.53	1,823	3,626	
Pleasant Hill <i>dsm</i>	Jul. 2022	10.00	24.66	31.99	39.32	53.98	68.64	83.31	659.24	3,134	6,227	
Spencer	Apr. 2021	28.00	36.60	40.90	45.20	53.81	62.41	71.02	458.13	2,179	4,329	
Storm Lake	Jul. 2022	15.26	15.26	18.66	22.08	28.92	35.75	42.59	350.26	1,718	3,427	Residential
									267.96	1,223	2,401	Commercial
Urbandale <i>dsm</i>	April 2022	4.50	13.96	18.68	23.41	32.87	42.32	51.78	480.27	2,388	4,788	
Waukee <i>dsm</i>	Jul. 2022	13.47	18.01	24.85	31.70	45.39	59.07	72.77	688.79	3,427	6,849	
West Des Moines	Jan. 2022	4.47	13.75	18.38	23.02	32.30	41.57	50.85	468.76	2,331	4,657	

All calculations for 5/8" meter, unless otherwise noted

1" 2" 3"

§ Clive rounds down to the nearest 1,000 gallons
dsm Treated water from Des Moines Water Works

2022 WATER RATE SURVEY
Monthly Charge For Water Used In Cubic Feet - Cities Without Softening Plants
Iowa Cities (Population 10,000+)

Prepared by the City of Ames, Iowa

City	Rate Effective	0	200	300	400	600	800	1,000	10,000	50,000	100,000	
American Water Co.†	Jul. 2021	14.00	24.73	30.10	35.47	46.20	56.94	67.68	550.73	2,698	5,381	
Cedar Falls	Jan. 2022	14.60	17.82	19.43	21.04	24.26	27.48	30.70	171.00	797	1,567	Residential
		14.60	19.00	21.20	23.40	27.80	32.20	36.60	162.50	720	1,385	Commercial
Coralville	Jul. 2022	7.44	7.44	9.36	11.28	15.12	18.96	22.80	195.60	964	1,924	Residential
		12.80	12.80	14.72	16.64	20.48	24.32	28.16	200.96	969	1,929	Commercial
Fort Dodge Δ	Jan. 2022	21.49	21.49	21.49	21.49	32.45	37.93	48.89	313.45	1,278	2,333	
Le Mars	Jul. 2021	14.33	14.33	15.00	17.06	21.20	25.33	29.46	174.47	635	1,174	
Marion ‡	Jul. 2021	15.25	15.25	17.18	19.11	22.97	26.83	30.69	267.71	1,366	2,737	
Mason City	Jul. 2022	17.33	17.33	19.51	23.79	32.36	40.92	49.49	294.63	1,279	2,510	
Muscatine	Jul. 2022	15.63	18.14	19.40	20.65	23.17	25.68	28.19	141.24	644	1,272	Residential
		21.99	23.73	24.60	25.47	27.21	28.95	30.69	113.41	479	861	Commercial
North Liberty ∞	Jul. 2021	17.44	17.44	24.45	24.45	38.47	45.48	59.50	529.17	2,632	5,254	
Sioux City	Jul. 2018	13.48	13.48	17.60	21.72	29.96	38.20	46.44	342.06	1,534	2,811	Residential
									429.86	1,534	2,811	Commercial
Waterloo	Jan. 2022	10.29	10.29	10.29	12.44	16.74	21.04	25.34	203.79	977	1,890	
Waverly	Jul. 2020	11.56	11.56	14.16	18.88	28.32	37.76	47.20	351.90	1,296	2,476	

All calculations for 5/8" meter, unless otherwise noted

1" 2" 3"

†American Water Company serves Bettendorf, Clinton, and Davenport.

‡Marion's standard meter size is 3/4."

Δ Fort Dodge rounds down to the nearest 1,000 gallons.

∞ North Liberty rounds down to the nearest 1,000 gallons.

2022 WATER RATE SURVEY
Additional Rate Information
Iowa Cities (Population 10,000+)

Prepared by the City of Ames, Iowa

City	Estimated Population	Type of Treatment	Range in Rate Steps	Minimum Bill \$/Month ^ø (0 CF)	CF included on Minimum Bill
Altoona	19,565	wells, softening	6.16 flat per 134 CF	11.16	0
American Water Co.	-- *	filtration	7.175 flat per 134 CF	14.00	0
Ames	66,427	wells, softening	2.57 flat per 100 CF	13.15	0
Ankeny	67,887	wells, river, softening	5.90 to 8.28/134 CF	9.37	0
Bettendorf	39,102	See American Water Co. Line			
Boone	12,460	wells, softening	3.33 to 5.42/100 CF	12.00	0
Burlington	23,982	river, softening	5.03 to 4.13 to 3.27 to 2.63 to 2.08 to 1.90/134 CF	23.88	668
Cedar Falls	40,713	wells, chlorine	1.61 to 1.48 /100 CF	14.60	0
Cedar Rapids	137,710	wells, softening	2.6626 to 2.5218 to 2.1355 to 1.0842/100 CF	15.60	0
Clinton	24,469	See American Water Co. Line			
Clive	18,601	wells, river, softening	8.23 flat per 134 CF	0.00	0
Coralville	22,318	iron removal, filtration	1.92 flat per 100 CF over min.	7.44	200
Council Bluffs	62,799	river softening	3.70 to 2.69 to 1.70/100 CF over min.	13.23	300
Davenport	101,724	See American Water Co. Line			
Des Moines	214,133	wells, river, softening	4.189 to 2.812 to 2.162/100 CF	6.00	0
Dubuque	59,667	wells, softening	5.53 to 4.54 to 4.23 to 3.73 to 3.27/134 CF	8.27	200
Fort Dodge	24,871	iron removal, filtration	5.48 to 3.58 to 2.82 to 1.97 to 1.46/134 CF	21.49	268
Fort Madison	10,270	river, softening	6.41 to 5.75 to 4.64 to 3.69/134 CF	10.80	0
Grimes	15,392	wells, softening	10.46 flat per 134 CF	12.08	0
Indianola	15,833	wells, softening	6.25 flat per 134 CF over min.	10.00	134
Iowa City	74,828	wells, softening	3.82 to 2.74/100 CF over min.	8.19	100
Johnston	24,064	wells, river, softening	7.85 flat per each 134 CF	10.56	0
Keokuk	9,900	river, softening	3.33 to 3.24 to 2.69 to 2.29/134 CF over min.	16.29	268
Le Mars	10,571	wells, filtration	7.17 to 2.76 to 1.76 to 1.44/134 CF	14.33	268
Marion	41,535	iron removal, filtration	1.63 to 1.93 to 2.22 to 2.45 to 2.69/100 CF over min.	15.25	200
Marshalltown	27,591	wells, softening	2.80 flat per 100 CF	10.22	0
Mason City	27,338	wells, chlorine	4.283 to 3.64 to 2.462/100 CF	17.33	0
Muscatine	23,797	wells, chlorine	1.2561 flat per 100 CF	15.63	0
Newton	15,760	wells, softening	2.87 flat per 100 CF over min.	11.45	200
North Liberty	20,479	ion exchange	7.01 flat per 134 CF over min.	17.44	134
Norwalk	12,799	wells, river, softening	7.61 flat per 134 CF	6.00	0
Oskaloosa	11,558	wells, softening	7.92 flat per 100 CF over min.	15.84	200
Ottumwa	25,529	river, softening	3.92 to 2.87 to 2.09/100 CF	14.14	0
Pella	10,464	wells, softening	4.82 flat per 134 CF	19.97	0
Pleasant Hill	10,147	wells, river, softening	9.80 to 8.27/134 CF	10.00	0
Sioux City	85,797	filtration	4.12 to 2.50/100 CF over min.	13.48	200
Spencer	11,325	wells, softening	5.75 flat per 134 CF	28.00	0
Storm Lake	11,269	wells, softening	4.57 flat per 134 CF over min.	15.26	200
Urbandale	45,580	wells, river, softening	6.32 flat per 134 CF	4.50	0
Waterloo	67,314	--	2.15 to 1.87 to 1.78 to 1.62/100 CF over min.	10.29	300
Waukee	23,940	wells, river, softening	9.15 flat per 134 CF over min.	13.47	134
Waverly	10,394	--	4.72 to 3.78 to 3.07 to 2.36/100 CF over min.	11.56	245
West Des Moines	68,723	wells, softening	6.20 flat per 134 CF	4.47	0

* American Water Co serves Bettendorf, Clinton, and Davenport's populations

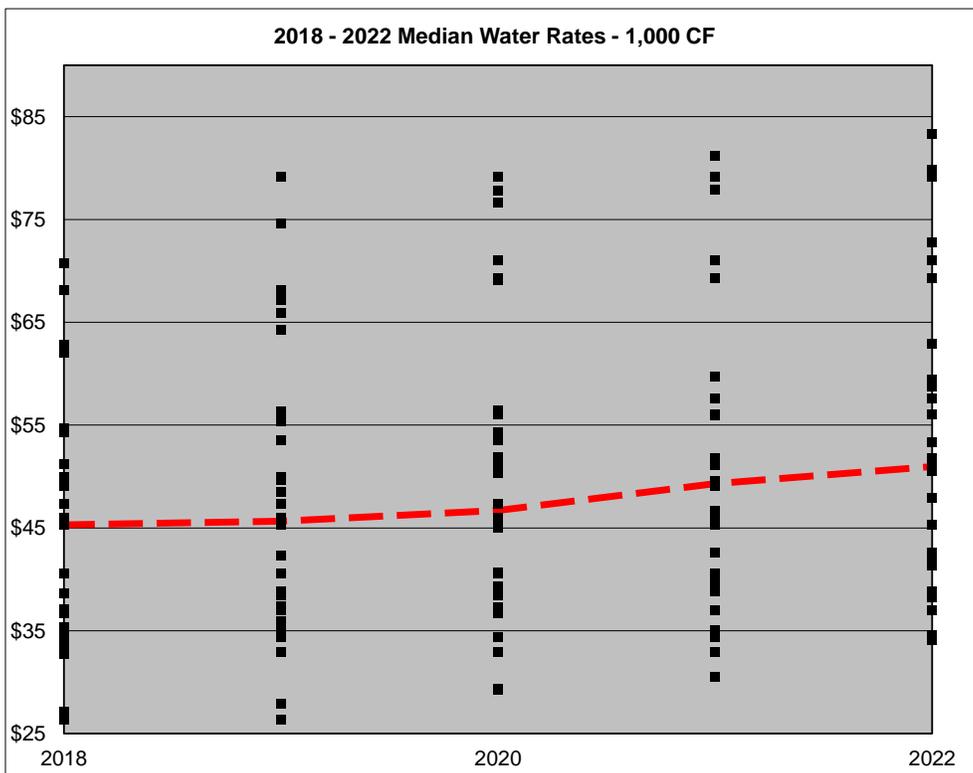
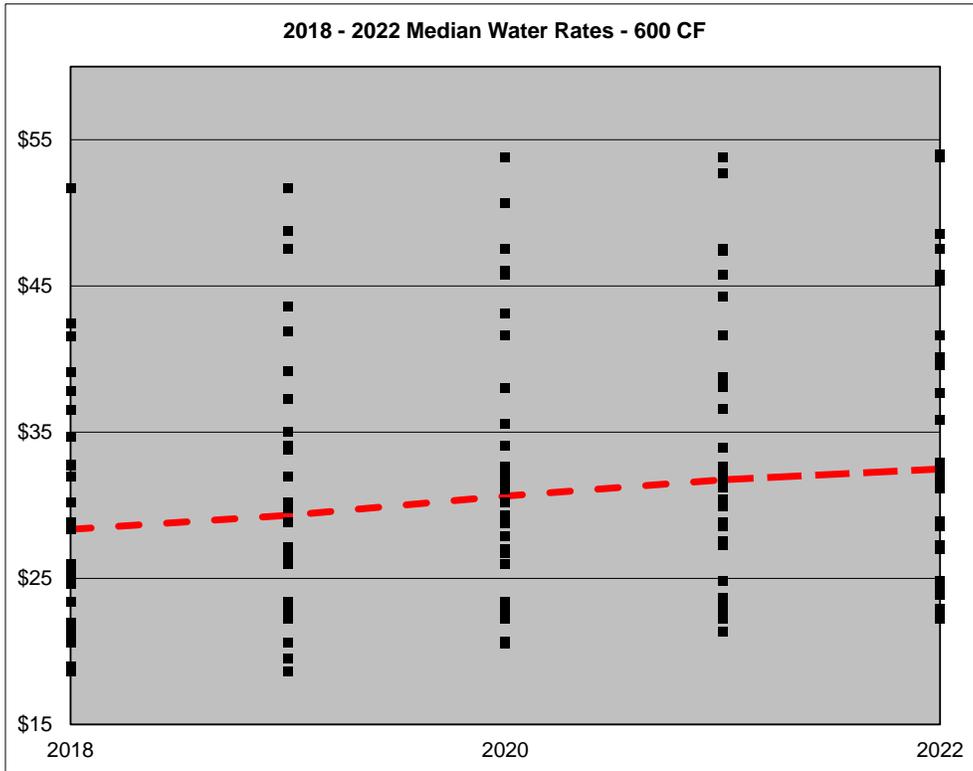
^ø This amount is for 0 CF (residential) used. It includes any base rate, admin fee, availability fee, minimum monthly charge, etc.

Fairfield was removed from the survey this year due to population at 9,416.

2022 WATER RATE SURVEY
Softening Water Plants Only
Iowa Cities (Population 10,000+)
Prepared by the City of Ames, Iowa

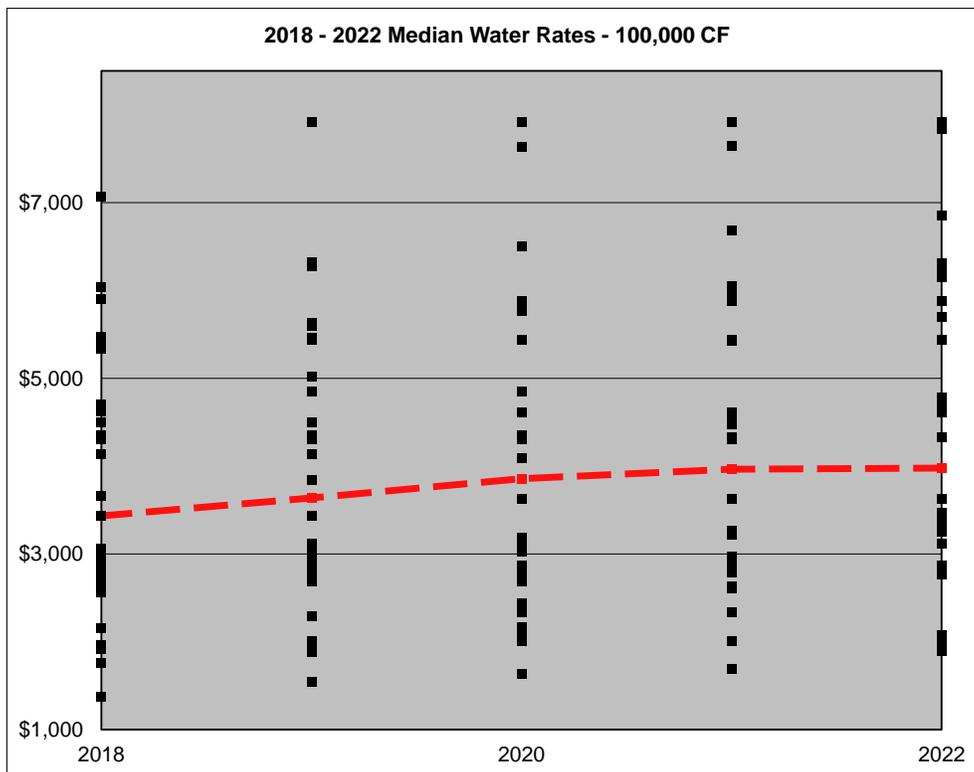
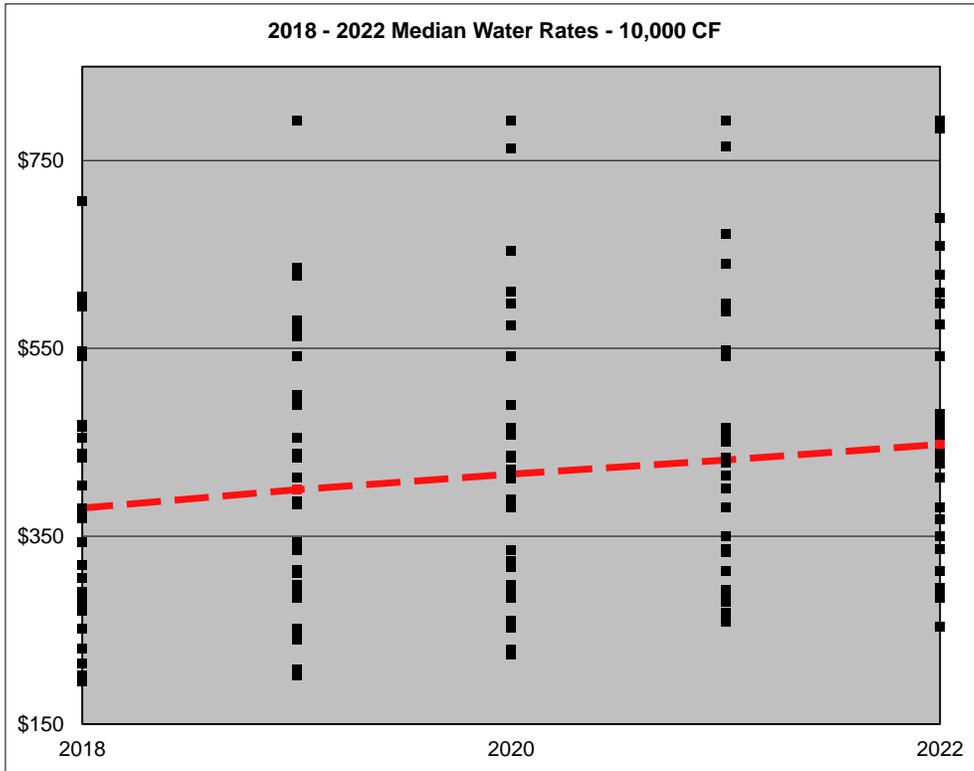
0 CF		600 CF		1,000 CF		10,000 CF		50,000 CF		100,000 CF	
Spencer	28.00	Pleasant Hill	53.98	Pleasant Hill	83.31	Oskaloosa	792.00	Oskaloosa	3,960	Oskaloosa	7,920
Burlington	23.88	Spencer	53.81	Grimes	79.87	Grimes	783.52	Grimes	3,921	Grimes	7,835
Pella	19.97	Grimes	48.56	Oskaloosa	79.20	Waukee	688.79	Waukee	3,427	Waukee	6,849
Keokuk	16.29	Oskaloosa	47.52	Waukee	72.77	Pleasant Hill	659.24	Ankeny	3,146	Ankeny	6,312
Oskaloosa	15.84	Johnston	45.80	Spencer	71.02	Ankeny	627.87	Pleasant Hill	3,134	Pleasant Hill	6,227
Cedar Rapids	15.60	Waukee	45.39	Johnston	69.29	Clive	609.02	Clive	3,078	Clive	6,156
Storm Lake	15.26	Pella	41.60	Norwalk	62.93	Johnston	597.78	Johnston	2,947	Johnston	5,883
Ottumwa	14.14	Norwalk	40.15	Ankeny	59.41	Norwalk	575.26	Norwalk	2,852	Norwalk	5,699
Waukee	13.47	Fort Madison	39.57	Fort Madison	58.75	Boone	541.24	Boone	2,718	Boone	5,439
Council Bluffs	13.23	Ottumwa	37.66	Clive	57.61	Urbandale	480.27	Urbandale	2,388	Urbandale	4,788
Ames	13.15	Ankeny	35.85	Pella	56.03	Indianola	471.28	Indianola	2,341	Indianola	4,679
Grimes	12.08	Clive	32.92	Ottumwa	53.34	West Des Moines	468.76	West Des Moines	2,331	West Des Moines	4,657
Boone	12.00	Urbandale	32.87	Urbandale	51.78	Altoona	465.80	Altoona	2,309	Altoona	4,613
Newton	11.45	Altoona	32.65	Altoona	51.08	Spencer	458.13	Spencer	2,179	Spencer	4,329
Altoona	11.16	West Des Moines	32.30	West Des Moines	50.85	Fort Madison	437.34	Ottumwa	2,001	Pella	3,626
Fort Madison	10.80	Boone	31.98	Indianola	50.51	Des Moines	426.91	Pella	1,823	Ottumwa	3,474
Johnston	10.56	Indianola	31.80	Des Moines	47.89	Ottumwa	412.60	Fort Madison	1,791	Storm Lake	3,427
Marshalltown	10.22	Cedar Rapids	31.58	Boone	45.30	Pella	380.53	Storm Lake	1,718	Fort Madison	3,310
Indianola	10.00	Des Moines	31.13	Storm Lake	42.59	Dubuque	367.75	Des Moines	1,704	Ames	3,257
Pleasant Hill	10.00	Storm Lake	28.92	Iowa City	42.57	Storm Lake	350.26	Dubuque	1,672	Dubuque	3,121
Ankeny	9.37	Ames	28.57	Cedar Rapids	42.23	Ames	336.27	Ames	1,629	Newton	2,876
Dubuque	8.27	Iowa City	27.29	Dubuque	41.36	Iowa City	313.12	Newton	1,441	Des Moines	2,874
Iowa City	8.19	Marshalltown	27.02	Ames	38.85	Cedar Rapids	295.41	Marshalltown	1,428	Marshalltown	2,844
Des Moines	6.00	Dubuque	24.82	Marshalltown	38.22	Burlington	293.21	Iowa City	1,427	Iowa City	2,821
Norwalk	6.00	Keokuk	24.58	Council Bluffs	37.00	Newton	292.71	Cedar Rapids	1,395	Cedar Rapids	2,770
Urbandale	4.50	Burlington	23.88	Keokuk	34.54	Marshalltown	292.46	Council Bluffs	1,162	Keokuk	2,078
West Des Moines	4.47	Newton	22.93	Newton	34.41	Council Bluffs	284.15	Keokuk	1,072	Council Bluffs	2,012
Clive	0	Council Bluffs	22.20	Burlington	34.13	Keokuk	253.34	Burlington	1,056	Burlington	1,894
High	28.00	High	53.98	High	83.31	High	792.00	High	3,960	High	7,920
Median	11.31	Median	32.48	Median	50.97	Median	447.74	Median	2,090	Median	3,978
Low	0.00	Low	22.20	Low	34.13	Low	253.34	Low	1,056	Low	1,894

2022 WATER RATE SURVEY
Median Water Rates
Historical Comparison 2018-2022
Iowa Cities (Population 10,000+)
 Prepared by the City of Ames, Iowa



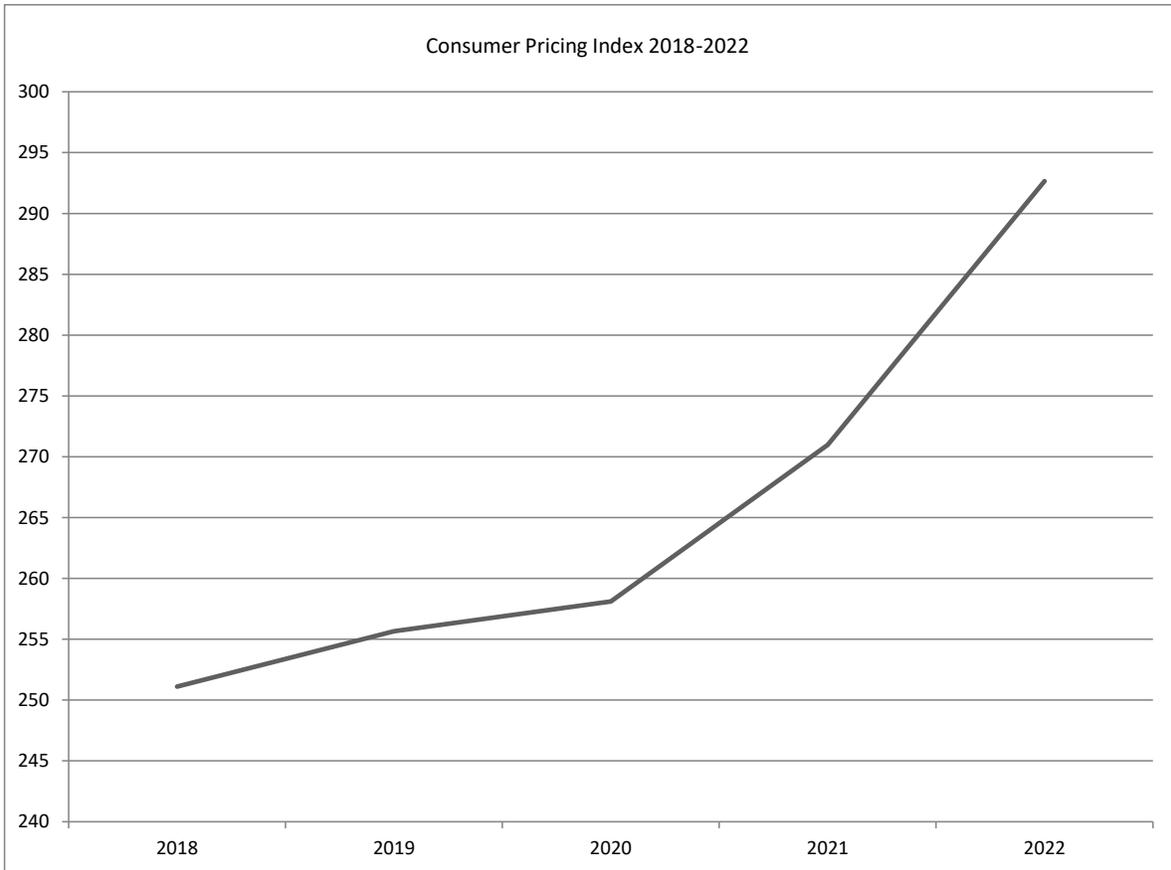
--- Median

2022 WATER RATE SURVEY
Median Water Rates
Historical Comparison 2018-2022
Iowa Cities (Population 10,000+)
 Prepared by the City of Ames, Iowa



--- Median

2022 WATER RATE SURVEY
Median Water Rates
Historical Comparison 2018-2022
Iowa Cities (Population 10,000+)
Prepared by the City of Ames, Iowa



2022 WATER RATE SURVEY
Special Rates Data
Iowa Cities (Population 10,000+)
Prepared by the City of Ames, Iowa

City	Special Rate Details		
Altoona	Usage over 9 million gallons over the usual billing cycle would be given a credit of \$3.00/1,000 gal. off of the water rates in effect at the time of usage		
American Water	Incentive Rates		
Ames	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%;"> Residential Winter Rates (Nov. 1 - June 30): \$0.0257/cf Residential Summer Rates (July 1 - Oct. 31): \$0.0257/cf for first 1,000 cf of usage \$0.0454/cf for the next 1,500 cf of usage \$0.0682/cf for all usage over 2,500 cf Non-Residential Winter Rates: \$0.0257/cf Non-Residential Summer Rates: \$0.0337/cf </td> <td style="width: 40%;"> Irrigation/Yard Water Rates: July 1 - Oct. 31: \$0.0371/cf for first 2,000 cf of usage \$0.0682/cf for the next 3,000 cf of usage \$0.1137/cf for all usage over 5,000 cf </td> </tr> </table>	Residential Winter Rates (Nov. 1 - June 30): \$0.0257/cf Residential Summer Rates (July 1 - Oct. 31): \$0.0257/cf for first 1,000 cf of usage \$0.0454/cf for the next 1,500 cf of usage \$0.0682/cf for all usage over 2,500 cf Non-Residential Winter Rates: \$0.0257/cf Non-Residential Summer Rates: \$0.0337/cf	Irrigation/Yard Water Rates: July 1 - Oct. 31: \$0.0371/cf for first 2,000 cf of usage \$0.0682/cf for the next 3,000 cf of usage \$0.1137/cf for all usage over 5,000 cf
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Ankeny	None		
Boone	None		
Burlington	None		
Cedar Falls	\$1.00 reduction in the monthly basic service charge for residents who meet the very low-income requirement set by the U.S. govt. contained in the Section 8 Housing Assistance Program		
Cedar Rapids	None		
Clive	Irrigation Rates: \$8.23/1,000 gal. for residential, \$9.82/1,000 gal. for commercial		
Coralville	None		
Council Bluffs	None		
Des Moines	Wholesale rates to suburban communities: \$4.57/1,000 gallons for regular wholesale, \$3.08/1,000 gallons for those who have purchased capacity in DMWW's system; Emergency water shortage rate		
Dubuque	None		
Fort Dodge	Snowbirds do not pay water/tax while gone at least 90 days		
Fort Madison	None		
Grimes	None		
Indianola	Irrigation rate: \$6.50/1,000 gallons		
Iowa City	None		
Johnston	Irrigation Rate: Availability \$6.22/mo. + \$9.83/1,000 gallons; Outside City: \$9.33/mo. + \$14.75/1,000 gallons		
Keokuk	None		
Le Mars	None		
Marion	None		
Mashalltown	Irrigation Rates: \$2.87/100 CF		
Mason City	None		
Muscatine	None		
Newton	None		
North Liberty	None		
Norwalk	Over 350K gal./day = \$4.56/1000 gal.; Secondary Water Meter Peak Season Usage Charge = An additional \$2/1000 gal. during July & Aug.		
Oskaloosa	None		
Ottumwa	None		
Pella	Secondary Meter (Garden Meter): \$6.26/month inside corporate limits, \$9.41/month outside corporate limits		
Pleasant Hill	None		
Sioux City	None		
Spencer	Water Sprinkler Service: \$6.75/1,000 Gallons		
Storm Lake	None		
Urbandale	Irrigation Rate: \$7.32/1,000 gallons		
Waterloo	None		
Waukee	Irrigation Rate: \$11.15/1,000 gallons		
Waverly	None		
West Des Moines	Irrigation Rate: \$7.48/1,000 gallons		

2022 WATER RATE SURVEY
Source and Projected Rate Increase Data
Iowa Cities (Population 10,000+)

Prepared by the City of Ames, Iowa

City	Water Source	Projected Rate Increases			
		2023	2024	2025	2026
Altoona	Cambrian-Ordovician aquifer	--	--	--	--
American Water	Cambrian-Ordovician aquifers	--	--	--	--
Ames	Ames aquifer	8.0%	TBD	TBD	--
Ankeny	DMWW (Des Moines and Raccoon Rivers)	6.75%	6.75%	6.75%	6.75%
Boone	Middle Des Moines River sand and gravel alluvial aquifer	--	--	--	--
Burlington	80% Mississippi River, 20% from 3 wells in the Pleistocene aquifer	5.0%	5.0%	5.0%	5.0%
Cedar Falls	Silurian-Devonian aquifer	--	--	--	--
Cedar Rapids	Cedar River	5.5%	TBD	TBD	TBD
Clive	Des Moines Water Works (Des Moines/Raccoon Rivers)	3.0%	3.0%	3.0%	3.0%
Coralville	Jordan (Cambrian-Ordovician), Silurian, and Pleistocene aquifers	6.25%	6.25%	6.25%	6.25%
Council Bluffs	Missouri River and Missouri River Alluvium	5.0%	0.0%	5.0%	0.0%
Des Moines	Raccoon River, Des Moines River, and an Infiltration Gallery; Alluvial & Cambrian-Ordovician aquifer	TBD	TBD	TBD	TBD
Dubuque	Cambrian-Ordovician, Mt. Simon, and Alluvial aquifers	--	--	--	--
Fort Dodge	Cambrian-Ordovician and Mississippian aquifers	--	--	--	--
Fort Madison	Mississippi Alluvial aquifer treated by RO	2.0%	2.0%	2.0%	2.0%
Grimes	Sand and gravel of the Alluvial aquifer, sandstone and dolomite of the Cambrian-Ordovician aquifer*	10.72%	10.99%	11.26%	11.54%
Indianola	Cambrian-Jordan Sandstone aquifer	--	--	--	--
Iowa City	Alluvial aquifer	--	--	--	--
Johnston	DMWW (Des Moines and Raccoon Rivers)	0.0%	2.5%	2.5%	2.5%
Keokuk	Mississippi River and its tributaries	5.0%	5.0%	5.0%	3.0%
Le Mars	Dakota sandstone aquifer	--	--	--	--
Marion	Jordan and Silurian aquifers	--	--	--	--
Marshalltown	Mississippi and Pleistocene aquifers	TBD	TBD	TBD	TBD
Mason City	Cambrian-Ordovician aquifer	--	--	--	--
Muscatine	Muscatine Island aquifer	--	--	--	--
Newton	Over 75% South Skunk River sand and gravel alluvial aquifer, under 25% Jordan (Cambrian-Ordovician) aquifer	--	--	--	--
North Liberty	Jordan and Silurian aquifers	--	--	--	--
Norwalk	DMWW, Alluvial and Cambrian-Ordovician aquifer	5.0%	6.0%	6.0%	6.5%
Oskaloosa	Alluvial wells located on the South Skunk River	5.0%	5.0%	5.0%	5.0%
Ottumwa	Des Moines River and the Ottumwa Reservoir*	5.0%	6.0%	6.0%	7.0%
Pella	Sand and gravel of the Alluvial aquifer, sandstone and dolomite of the Cambrian-Ordovician aquifer*	--	--	--	--
Pleasant Hill	Des Moines Water Works (Des Moines/Raccoon Rivers)	--	--	--	--
Sioux City	GWUDI (Ground Water Under the Influence of Surface Water), the Missouri Alluvium and the Dakota sandstone aquifer	--	--	--	--
Spencer	Ocheyedan-Little Sioux aquifer	--	--	--	--
Storm Lake	Buried sand and gravel of the Buried Sand and Gravel aquifer, sandstone and dolomite of the Cambrian-Ordovician aquifer, and the sandstone of the Dakota aquifer	3.0%	3.0%	3.0%	3.0%
Urbandale	Des Moines Water Works (Des Moines/Raccoon Rivers)	5.0%	5.0%	3.5%	3.5%
Waterloo	Cedar Valley and alluvial aquifers	2.0%	2.0%	2.0%	2.0%
Waukee	Des Moines Water Works (Des Moines/Raccoon Rivers)	--	--	--	--
Waverly	Groundwater wells that draw water from the Silurian-Devonian aquifer	0.0%	TBD	0.0%	TBD
West Des Moines	Wells (Raccoon River Alluvial and Jordan aquifers), DMWW	TBD	TBD	TBD	TBD

*All or some data obtained from CCR or Website (due to no answer or for clarification)

2022 WATER RATE SURVEY
Projected Rate Increases
Iowa Cities (Population 10,000+)
Prepared by the City of Ames, Iowa

2023		2024		2025		2026	
Grimes	10.72%	Grimes	10.99%	Grimes	11.26%	Grimes	11.54%
Ames	8.0%	Ankeny	6.75%	Ankeny	6.75%	Ottumwa	7.0%
Ankeny	6.75%	Coralville	6.25%	Coralville	6.25%	Ankeny	6.75%
Coralville	6.25%	Norwalk	6.0%	Norwalk	6.0%	Norwalk	6.5%
Cedar Rapids	5.5%	Ottumwa	6.0%	Ottumwa	6.0%	Coralville	6.25%
Burlington	5.0%	Burlington	5.0%	Burlington	5.0%	Burlington	5.0%
Council Bluffs	5.0%	Keokuk	5.0%	Council Bluffs	5.0%	Oskaloosa	5.0%
Keokuk	5.0%	Oskaloosa	5.0%	Keokuk	5.0%	Urbandale	3.5%
Norwalk	5.0%	Urbandale	5.0%	Oskaloosa	5.0%	Clive	3.0%
Oskaloosa	5.0%	Clive	3.0%	Urbandale	3.5%	Keokuk	3.0%
Ottumwa	5.0%	Storm Lake	3.0%	Clive	3.0%	Storm Lake	3.0%
Urbandale	5.0%	Johnston	2.5%	Storm Lake	3.0%	Johnston	2.5%
Clive	3.0%	Fort Madison	2.0%	Johnston	2.5%	Fort Madison	2.0%
Storm Lake	3.0%	Waterloo	2.0%	Fort Madison	2.0%	Waterloo	2.0%
Fort Madison	2.0%	Council Bluffs	0.0%	Waterloo	2.0%	Council Bluffs	0.0%
Waterloo	2.0%	Ames	TBD	Waverly	0.0%	Cedar Rapids	TBD
Johnston	0.0%	Cedar Rapids	TBD	Ames	TBD	Des Moines	TBD
Waverly	0.0%	Des Moines	TBD	Cedar Rapids	TBD	Marshalltown	TBD
Des Moines	TBD	Marshalltown	TBD	Des Moines	TBD	Waverly	TBD
Marshalltown	TBD	Waverly	TBD	Marshalltown	TBD	West Des Moines	TBD
West Des Moines	TBD	West Des Moines	TBD	West Des Moines	TBD	Altoona	--
Altoona	--	Altoona	--	Altoona	--	American Water	--
American Water	--	American Water	--	American Water	--	Ames	--
Boone	--	Boone	--	Boone	--	Boone	--
Cedar Falls	--						
Dubuque	--	Dubuque	--	Dubuque	--	Dubuque	--
Fort Dodge	--						
Indianola	--	Indianola	--	Indianola	--	Indianola	--
Iowa City	--						
Le Mars	--						
Marion	--	Marion	--	Marion	--	Marion	--
Mason City	--						
Muscatine	--	Muscatine	--	Muscatine	--	Muscatine	--
Newton	--	Newton	--	Newton	--	Newton	--
North Liberty	--						
Pella	--	Pella	--	Pella	--	Pella	--
Pleasant Hill	--						
Sioux City	--						
Spencer	--	Spencer	--	Spencer	--	Spencer	--
Waukee	--	Waukee	--	Waukee	--	Waukee	--
MEDIAN	5.0%	MEDIAN	5.0%	MEDIAN	5.0%	MEDIAN	3.5%

2022 WATER RATE SURVEY
Supply Chain Disruptions & Cost Increases
Iowa Cities (Population 10,000+)
Prepared by the City of Ames, Iowa

City	Type of Supply Chain Disruption	Associated Cost Increases
Altoona	Unable to get 3/4" and 1" water meters	20-30% increase in construction costs
American Water Co.	No response	No response
Ames	Increase in chemicals (Lime, Chlorine, Fluoride); Extended delivery time on water meters of >6 months.	Lime (+35%), Chlorine (+78%), Fluoride (+209%)
Ankeny	Water meters	None
Bettendorf	See American Water Co.	See American Water Co.
Boone	Brass products, pipe, castings	25-30% increase on everything, sometimes more on pipe products
Burlington	Fluoride	Chemicals increased around 39%
Cedar Falls	No response	No response
Cedar Rapids	Typical challenges and monitoring of delivery dates and lead times for chemicals and materials.	None
Clinton	See American Water Co.	See American Water Co.
Clive	None	None
Coralville	None	Range from marginal to 30%+
Council Bluffs	Some chemicals & supplies have taken longer to receive.	Cost of materials have increased and shipping cost.
Davenport	See American Water Co.	See American Water Co.
Des Moines	Across the board disruptions. Items normally in stock are sometimes now 25 weeks out. Shortage of drivers for trucks to deliver product.	Chemicals are at an all time high - expected at least 60% increase in 2023.
Dubuque	No response	No response
Fort Dodge	Nothing unusual; Had issues with the construction of the RO plant project	Small increase in product due to fuel prices
Fort Madison	None	None
Grimes	Water meters	None
Indianola	No response	No response
Iowa City	No response	No response
Johnston	None	None
Keokuk	Slow delivery on parts; run out of fluoride a few times.	Lime = +15%, Alum = +14%, NH3 = +50%, Salt for Cl = +15%, Fluoride = +40%
Le Mars	No response	No response
Marion	No response	No response
Marshalltown	Lime supplier asks if they are able to take late deliveries, but meets deadlines	Pipe costs have tripled. Chemical prices to be seen, will request bids in September.
Mason City	No response	No response
Muscatine	No response	No response
Newton	No response	No response
North Liberty	No response	No response
Norwalk	Difficulty ordering meters, mxu's, couplings, and marking paint.	No major cost issues.
Oskaloosa	None	None
Ottumwa	Chemicals for water treatment; Hydro dam repairs - FERC	None
Pella	Water meters	Significant increases in all chemicals and supplies.
Pleasant Hill	No response	No response
Sioux City	No response	No response
Spencer	General slowdown in shipments	Upward pressure on all purchases
Storm Lake	None	None
Urbandale	None	None
Waterloo	Meters & Accessories. Warned of chlorine and fluoride.	Chemical costs increased by 50%+
Waukee	No response	No response
Waverly	Fire hydrant assemblies and any ductile pipe needed have been delayed. Some water main repair parts have been not available. (repair sleeves) Water meter ERT lead times are upwards of 6 months or more, before they were available almost immediately.	All water main repair parts and fittings have significantly increased in cost. The costs of treatment chemicals have varied a great deal over the last year. This includes chlorine gas and fluoride. The availability has always been there though.
West Des Moines	Meters, radio read devices, backflow devices	None

2022 Sewer Rate Survey

Iowa Cities
Population 10,000+
Prepared by City of Ames
Ames, Iowa



2022 SEWER RATE SURVEY
Monthly Charge for Volume Used in Cubic Feet
Iowa Cities (Population 10,000+)

Prepared by the City of Ames, Iowa

City	Rate Effective	0	200	300	400	600	800	1,000	10,000	50,000	100,000
Altoona	Feb. 2022	14.26	18.85	25.78	32.71	46.56	60.41	74.27	697.69	3,468	6,932
Ames	Jul. 2022	12.16	18.38	21.49	24.60	30.82	37.04	43.26	323.16	1,567	3,122
Ankeny	Jul. 2021	18.03	27.99	32.98	37.96	47.92	57.88	67.85	538.70	2,614	5,247
Bettendorf	Apr. 2022	2.00	9.38	13.07	16.76	24.14	31.52	38.90	371.00	1,847	3,692
Boone	Jul. 2010	3.00	18.94	26.90	34.88	50.82	66.76	82.70	800.00	3,988	7,973
Burlington	Jul. 2022	18.68	29.83	35.40	40.97	52.12	63.26	74.41	575.98	2,805	5,592
Cedar Falls	Jul. 2022	22.94	22.94	27.05	31.16	39.38	47.60	55.82	425.72	2,070	4,125
Cedar Rapids	Jul. 2022	19.52	19.52	22.12	24.72	29.91	35.11	40.31	274.16	1,314	2,613
Clinton	Jul. 2019	9.63	19.26	28.89	38.52	57.78	77.04	96.30	963.00	4,815	9,630
Clive §	May 2022	8.32	14.66	21.00	21.00	33.68	40.02	52.70	477.48	2,379	4,751
Coralville	Jul. 2019	13.75	13.75	18.15	22.55	31.35	40.15	48.95	444.95	2,205	4,405
Council Bluffs	Jul. 2022	13.08	13.08	13.08	15.60	23.40	31.20	39.00	390.00	1,950	3,900
Davenport	Jul. 2022	11.96	23.40	29.12	34.84	46.28	57.72	69.16	583.96	2,872	5,732
Des Moines	Jul. 2022	4.40	17.00	23.29	29.59	42.19	54.79	67.39	634.26	3,154	6,303
Dubuque	Jul. 2022	11.82	11.82	17.73	23.64	35.46	47.27	59.10	590.97	2,955	5,910
Fort Dodge Δ	Jan. 2022	40.83	40.83	40.83	40.83	44.37	47.91	54.99	292.17	1,354	2,678
Fort Madison	Jul. 2022	26.53	35.70	40.29	44.87	54.04	63.21	72.39	485.08	2,319	4,612
Grimes	Aug. 2022	8.22	12.30	18.45	24.59	36.89	49.19	61.49	614.90	3,074	6,149
Indianola	Jun. 2020	18.00	22.89	30.25	37.62	52.36	67.09	81.84	744.98	3,692	7,376
Iowa City	Jul. 2018	8.15	12.14	16.13	20.12	28.10	36.08	44.06	403.16	1,999	3,994
Iowa Great Lakes Sanitary District	Dec. 2007	5.00	7.02	8.03	9.04	11.06	13.08	15.10	105.99	510	1,015
Johnston	Jul. 2022	7.04	16.76	21.63	26.49	36.21	45.94	55.67	493.27	2,438	4,869
Keokuk	Jul. 2018	30.38	30.38	32.05	37.07	47.11	57.14	67.18	502.00	2,567	5,148
Le Mars	Jul. 2021	8.51	12.02	13.78	15.53	19.05	22.56	26.07	184.12	887	1,765
Marion	Jul. 2022	4.00	16.00	22.00	28.00	40.00	52.00	64.00	604.00	3,004	6,004
Marshalltown	Jan. 2022	23.99	30.21	33.32	36.43	42.65	48.87	55.09	334.99	1,579	3,134
Mason City	Jul. 2022	10.97	10.97	13.45	16.18	21.42	26.74	32.05	271.18	1,334	2,662
Muscatine †	Jul. 2022	32.06	32.06	32.06	35.21	41.51	47.81	54.11	337.61	1,598	3,173
Newton	Jul. 2022	14.49	14.49	19.14	23.79	33.09	42.39	51.69	470.19	2,330	4,655
North Liberty ∞	Jul. 2020	31.24	31.24	36.87	36.87	48.13	53.76	65.02	442.23	2,131	4,237
Northwalk	Jul. 2022	7.50	23.10	30.90	38.71	54.31	69.91	85.53	787.72	3,909	7,810
Oskaloosa	Mar. 2022	23.60	43.26	53.09	62.92	82.58	102.24	121.90	1,006.60	4,939	9,854
Ottumwa	Jul. 2022	18.25	30.25	36.25	42.25	54.25	66.25	78.25	618.25	3,018	6,018
Pella *	Jul. 2020	21.42	29.44	33.45	37.46	45.48	53.50	61.52	422.38	2,026	4,031
Pleasant Hill	Jul. 2022	11.98	22.68	28.02	33.37	44.07	54.77	65.47	456.96	2,106	4,167
Sioux City	Jul. 2022	12.87	12.87	17.70	22.52	32.17	41.82	51.47	493.19	2,451	4,895
Spencer ‡	Aug. 2022	37.50	45.00	48.74	52.49	59.98	67.48	74.98	414.62	1,841	3,698
Storm Lake	Jul. 2022	23.87	30.74	34.17	37.60	44.47	51.33	58.21	367.22	1,741	3,457
Urbandale	Jul. 2021	3.00	10.56	14.33	18.11	25.66	33.22	40.78	380.77	1,892	3,781
Waterloo	Jul. 2022	18.60	18.60	18.60	21.58	27.54	33.50	39.46	307.66	1,500	2,990
Waukee	Jul. 2022	15.32	21.06	29.71	38.37	55.68	72.98	90.31	869.24	4,331	8,659
Waverly	Jun. 2022	17.47	17.47	21.39	28.52	42.78	57.04	71.30	713.00	3,565	7,130
West Des Moines	Jul. 2021	3.77	13.27	18.02	22.77	32.27	41.77	51.27	478.78	2,379	4,754

1" 2" 3"

Δ Fort Dodge rounds down to the nearest 1,000 gallons, and includes a monthly CSI Surcharge of \$22.50/month.

§ Clive rounds down to the nearest 1,000 gallons

† Muscatine's sewer rate includes a monthly Collection & Drainage charge of \$13.40/month.

∞ North Liberty rounds down to the nearest 1,000 gallons.

‡ Spencer's sewer rate includes a monthly CSI Surcharge of \$16.25/month and a fixed fee based on meter size. For 5/8", the fixed fee is \$21.25.

2022 SEWER RATE SURVEY
Additional Rate Information
Iowa Cities (Population 10,000+)

Prepared by the City of Ames, Iowa

City	Estimated Population	Rate Effective	Range in Rate Steps	Minimum Bill \$/Month ø (0 CF)	CF included on Minimum Bill
Altoona	19,565	Feb. 2022	9.26 flat per 134 CF	14.26	0
Ames	66,427	Jul. 2022	3.11 flat per 100 CF	12.16	0
Ankeny	67,887	Jul. 2021	6.66 flat per 134 CF	18.03	0
Bettendorf	39,102	Apr. 2022	3.69 flat per 100 CF	2.00	0
Boone	12,460	Jul. 2010	7.97 flat per 100 CF	3.00	0
Burlington	23,982	Jul. 2022	7.45 flat per 134 CF	18.68	0
Cedar Falls	40,713	Jul. 2022	4.11 flat per 100 CF over min.	22.94	200
Cedar Rapids	137,710	Jul. 2022	2.5984 flat per 100 CF over min.	19.52	200
Clinton	24,469	Jul. 2019	9.63 flat per 100 CF over min.	9.63	100
Clive	18,601	May 2022	6.34 flat per 134 CF	8.32	0
Coralville	22,318	Jul. 2019	4.40 flat per 100 CF over min.	13.75	200
Council Bluffs	62,799	Jul. 2022	3.90 flat per 100 CF over min.	13.08	300
Davenport Δ	101,724	Jul. 2022	5.72 flat per 100 CF	11.96	0
Des Moines	214,133	Jul. 2022	8.42 flat per 134 CF	4.40	0
Dubuque	59,667	Jul. 2022	7.90 flat per 134 CF over min.	11.82	200
Fort Dodge	24,871	Jan. 2022	3.54 flat per 134 CF over min.	40.83	400
Fort Madison	10,270	Jul. 2022	6.13 flat per 134 CF	26.53	0
Grimes	15,392	Aug. 2022	8.22 flat per 134 CF	8.22	134
Indianola	15,833	Jun. 2020	9.85 flat per 134 CF over min.	18.00	134
Iowa City	74,828	Jul. 2018	3.99 flat per 100 CF over min.	8.15	100
IA Great Lakes		Dec. 2007	1.35 flat per 134 CF	5.00	0
Johnston	24,064	Jul. 2022	6.50 flat per 134 CF	7.04	0
Keokuk	9,900	Jul. 2018	6.69 flat per 134 CF over min.	30.38	268
Le Mars	10,571	Jan. 2021	2.3476 flat per 134 CF	8.51	0
Marion	41,535	Jul. 2022	6.00 flat per 100 CF	4.00	0
Marshalltown	27,591	Jan. 2022	3.11 flat per 100 CF	23.99	0
Mason City	27,338	Jul. 2022	2.657 flat per 100 CF	10.97	0
Muscatine	23,797	Jul. 2022	3.15 flat per 100 CF over min.	32.06	300
Newton	15,760	Jul. 2022	4.65 flat per 100 CF over min.	14.49	200
North Liberty	20,479	Jul. 2020	5.63 flat per 134 CF over min.	31.24	134
Norwalk	12,799	Jul. 2022	10.43 flat per 134 CF	7.50	0
Oskaloosa	11,558	Mar. 2022	9.83 flat per 100 CF	23.60	0
Ottumwa	25,529	Jul. 2022	6.00 flat per 100 CF	18.25	0
Pella *	10,464	Jul. 2020	5.36 flat per 134 CF	21.42	0
Pleasant Hill	10,147	Jul. 2022	7.15 to 5.51 per 134 CF	11.98	0
Sioux City	85,797	Jul. 2022	4.825 flat per 100 CF over min.	12.87	200
Spencer	11,325	Aug. 2022	5.01 to 4.51 per 134 CF	37.50	0
Storm Lake	11,269	Jul. 2022	4.59 flat per 134 CF	23.87	0
Urbandale	45,580	Jul. 2021	5.05 flat per 134 CF	3.00	0
Waterloo	67,314	Jul. 2022	2.98 flat per 100 CF over min.	18.60	300
Waukee	23,940	Jul. 2022	11.57 flat per 134 CF over min.	15.32	134
Waverly	10,394	Jun. 2022	7.13 flat per 100 CF over min.	17.47	245
West Des Moines	68,723	Jul. 2021	6.35 flat per 134 CF	3.77	0

ø This amount is for 0 CF (residential) used. It includes any base rate, admin fee, availability fee, minimum monthly charge, etc.

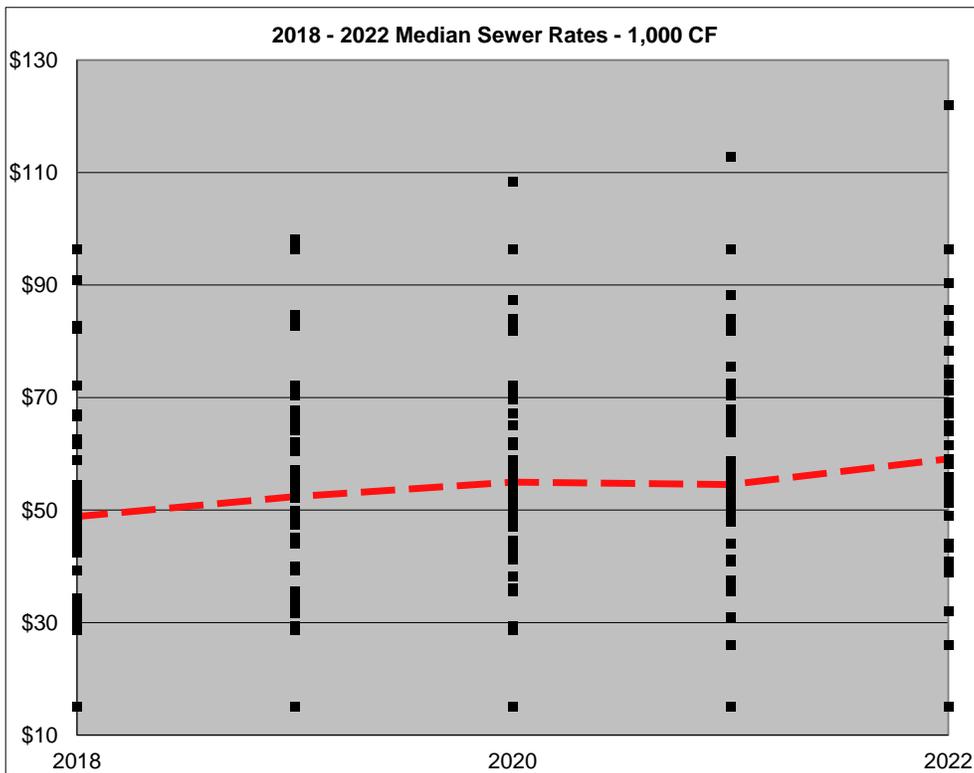
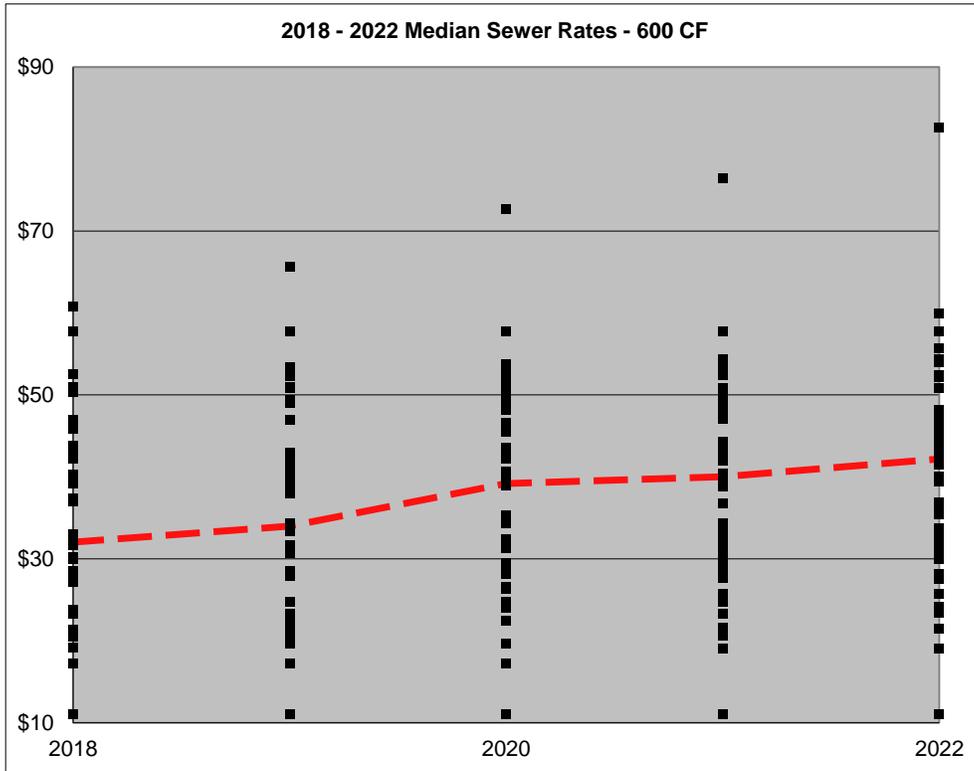
Δ Davenport offers quarterly billing; minimum bill amount for 0 CF would be \$9.96/mo.

*Pella's rates submitted last year were anticipated, but were not implemented. 2020 rates remain in effect.

2022 SEWER RATE SURVEY
All Wastewater Plants
Iowa Cities (Population 10,000+)
 Prepared by the City of Ames, Iowa

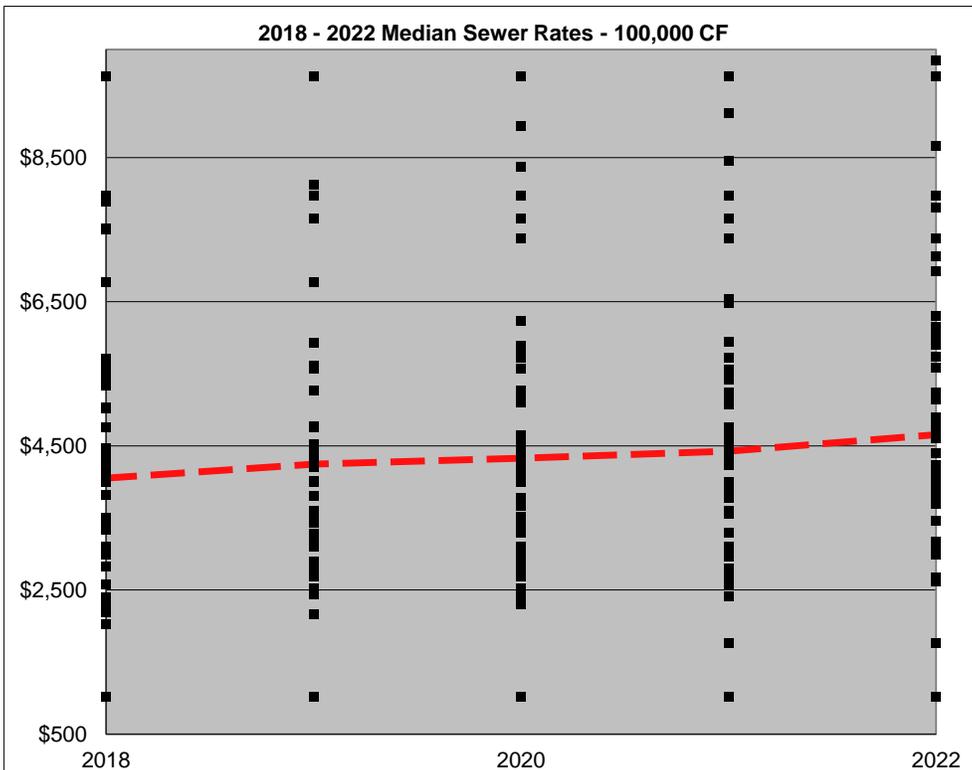
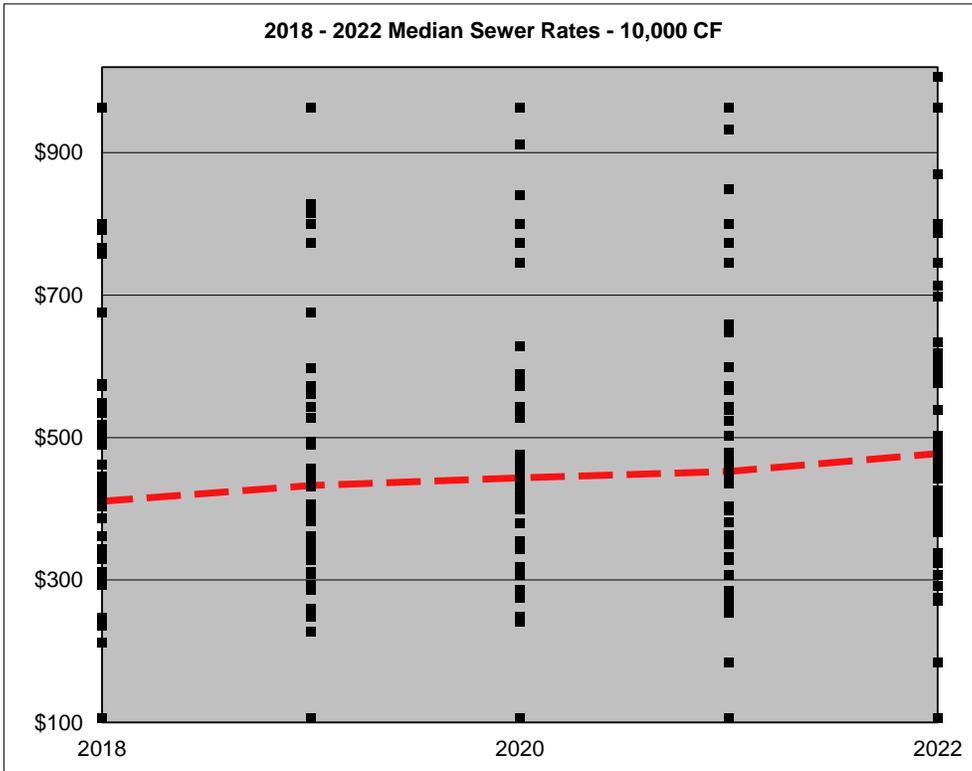
0 CF		600 CF		1,000 CF		10,000 CF		50,000 CF		100,000 CF	
Fort Dodge	40.83	Oskaloosa	82.58	Oskaloosa	121.90	Oskaloosa	1,006.60	Oskaloosa	4,939	Oskaloosa	9,854
Spencer	37.50	Spencer	59.98	Clinton	96.30	Clinton	963.00	Clinton	4,815	Clinton	9,630
Muscatine	32.06	Clinton	57.78	Waukee	90.31	Waukee	869.24	Waukee	4,331	Waukee	8,659
North Liberty	31.24	Waukee	55.68	Norwalk	85.53	Norwalk	800.00	Boone	3,988	Boone	7,973
Keokuk	30.38	Norwalk	54.31	Boone	82.70	Norwalk	787.72	Norwalk	3,909	Norwalk	7,810
Fort Madison	26.53	Ottumwa	54.25	Indianola	81.84	Indianola	744.98	Indianola	3,692	Indianola	7,376
Marshalltown	23.99	Fort Madison	54.04	Ottumwa	78.25	Waverly	713.00	Waverly	3,565	Waverly	7,130
Storm Lake	23.87	Indianola	52.36	Spencer	74.98	Altoona	697.69	Altoona	3,468	Altoona	6,932
Oskaloosa	23.60	Burlington	52.12	Burlington	74.41	Des Moines	634.26	Des Moines	3,154	Des Moines	6,303
Cedar Falls	22.94	Boone	50.82	Altoona	74.27	Ottumwa	618.25	Grimes	3,074	Grimes	6,149
Pella	21.42	North Liberty	48.13	Fort Madison	72.39	Grimes	614.90	Ottumwa	3,018	Ottumwa	6,018
Cedar Rapids	19.52	Ankeny	47.92	Waverly	71.30	Marion	604.00	Marion	3,004	Marion	6,004
Burlington	18.68	Keokuk	47.11	Davenport	69.16	Dubuque	590.97	Dubuque	2,955	Dubuque	5,910
Waterloo	18.6	Altoona	46.56	Ankeny	67.85	Davenport	583.96	Davenport	2,872	Davenport	5,732
Ottumwa	18.25	Davenport	46.28	Des Moines	67.39	Burlington	575.98	Burlington	2,805	Burlington	5,592
Ankeny	18.03	Pella	45.48	Keokuk	67.18	Ankeny	538.70	Ankeny	2,614	Ankeny	5,247
Indianola	18.00	Storm Lake	44.47	Pleasant Hill	65.47	Keokuk	502.00	Keokuk	2,567	Keokuk	5,148
Waverly	17.47	Fort Dodge	44.37	North Liberty	65.02	Johnston	493.27	Sioux City	2,451	Sioux City	4,895
Waukee	15.32	Pleasant Hill	44.07	Marion	64.00	Sioux City	493.19	Johnston	2,438	Johnston	4,869
Newton	14.49	Waverly	42.78	Pella	61.52	Fort Madison	485.08	Clive	2,379	West Des Moines	4,754
Altoona	14.26	Marshalltown	42.65	Grimes	61.49	West Des Moines	478.78	West Des Moines	2,379	Clive	4,751
Coralville	13.75	Des Moines	42.19	Dubuque	59.10	Clive	477.48	Newton	2,330	Newton	4,655
Council Bluffs	13.08	Muscatine	41.51	Storm Lake	58.21	Newton	470.19	Fort Madison	2,319	Fort Madison	4,612
Sioux City	12.87	Marion	40.00	Cedar Falls	55.82	Pleasant Hill	456.96	Coralville	2,205	Coralville	4,405
Ames	12.16	Cedar Falls	39.38	Johnston	55.67	Coralville	444.95	North Liberty	2,131	North Liberty	4,237
Pleasant Hill	11.98	Grimes	36.89	Marshalltown	55.09	North Liberty	442.23	Pleasant Hill	2,106	Pleasant Hill	4,167
Davenport	11.96	Johnston	36.21	Fort Dodge	54.99	Cedar Falls	425.72	Cedar Falls	2,070	Cedar Falls	4,125
Dubuque	11.82	Dubuque	35.46	Muscatine	54.11	Pella	422.38	Pella	2,026	Pella	4,031
Mason City	10.97	Clive	33.68	Clive	52.70	Spencer	414.62	Iowa City	1,999	Iowa City	3,994
Clinton	9.63	Newton	33.09	Newton	51.69	Iowa City	403.16	Council Bluffs	1,950	Council Bluffs	3,900
Le Mars	8.51	West Des Moines	32.27	Sioux City	51.47	Council Bluffs	390.00	Urbandale	1,892	Urbandale	3,781
Clive	8.32	Sioux City	32.17	West Des Moines	51.27	Urbandale	380.77	Bettendorf	1,847	Spencer	3,698
Grimes	8.22	Coralville	31.35	Coralville	48.95	Bettendorf	371.00	Spencer	1,841	Bettendorf	3,692
Iowa City	8.15	Ames	30.82	Iowa City	44.06	Storm Lake	367.22	Storm Lake	1,741	Storm Lake	3,457
Norwalk	7.50	Cedar Rapids	29.91	Ames	43.26	Muscatine	337.61	Muscatine	1,598	Muscatine	3,173
Johnston	7.04	Iowa City	28.10	Urbandale	40.78	Marshalltown	334.99	Marshalltown	1,579	Marshalltown	3,134
Iowa Great Lakes Sanitary District	5.00										
Des Moines	4.40	Waterloo	27.54	Cedar Rapids	40.31	Ames	323.16	Ames	1,567	Ames	3,122
Marion	4.00	Urbandale	25.66	Waterloo	39.46	Waterloo	307.66	Waterloo	1,500	Waterloo	2,990
West Des Moines	3.77	Bettendorf	24.14	Council Bluffs	39.00	Fort Dodge	292.17	Fort Dodge	1,354	Fort Dodge	2,678
Boone	3.00	Council Bluffs	23.40	Bettendorf	38.90	Cedar Rapids	274.16	Mason City	1,334	Mason City	2,662
Urbandale	3.00	Mason City	21.42	Mason City	32.05	Mason City	271.18	Cedar Rapids	1,314	Cedar Rapids	2,613
		Le Mars	19.05	Le Mars	26.07	Le Mars	184.12	Le Mars	887	Le Mars	1,765
		Iowa Great Lakes Sanitary District	11.06	Iowa Great Lakes Sanitary District	15.10	Iowa Great Lakes Sanitary District	105.99	Iowa Great Lakes Sanitary District	510	Iowa Great Lakes Sanitary District	1,015
High	40.83	High	82.58	High	121.90	High	1,006.60	High	4,939	High	9,854
Median	13.75	Median	42.19	Median	59.10	Median	477.48	Median	2,330	Median	4,655
Low	2.00	Low	11.06	Low	15.10	Low	105.99	Low	510	Low	1,015

2022 SEWER RATE SURVEY
Median Sewer Rates
Historical Comparison 2018-2022
Iowa Cities (Population 10,000+)
 Prepared by the City of Ames, Iowa



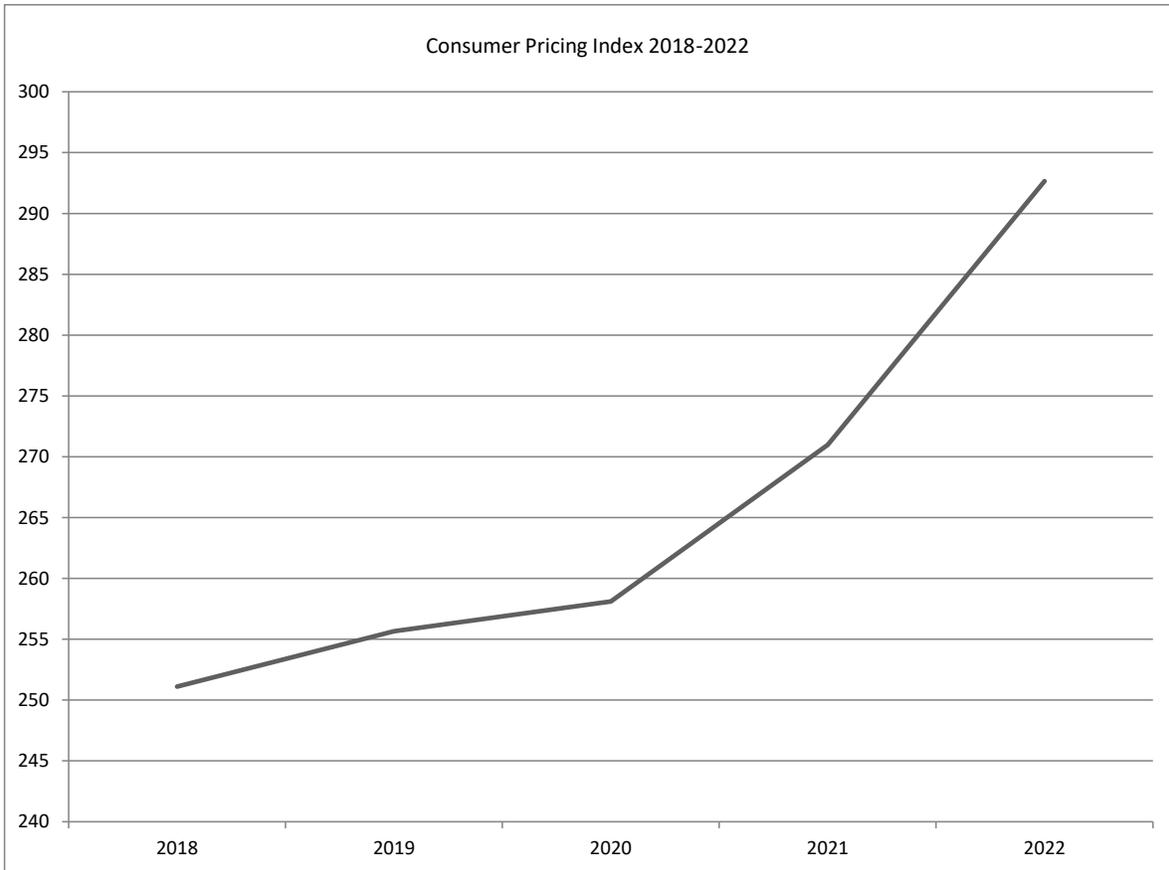
--- Median

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--- Median

2022 SEWER RATE SURVEY
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Historical Comparison 2018-2022
Iowa Cities (Population 10,000+)
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2022 SEWER RATE SURVEY
Projected Rate Increase Data
Iowa Cities (Population 10,000+)
Prepared by the City of Ames, IA

City	Projected Rate Increases			
	2023	2024	2025	2026
Altoona	--	--	--	--
Ames	--	TBD	TBD	TBD
Ankeny	--	--	--	--
Bettendorf	--	--	--	--
Boone	--	--	--	--
Burlington	--	--	--	--
Cedar Falls	--	--	--	--
Cedar Rapids	8.0%	TBD	TBD	TBD
Clinton	--	--	--	--
Clive	--	--	--	--
Coralville	--	--	--	--
Council Bluffs	8.0%	8.0%	8.0%	TBD
Davenport	--	--	--	--
Des Moines	--	--	--	--
Dubuque	--	--	--	--
Fort Dodge	--	--	--	--
Fort Madison	2.0%	2.0%	2.0%	2.0%
Grimes	--	--	--	--
Indianola	--	--	--	--
Iowa City	--	--	--	--
Iowa Great Lakes Sanitary District	--	--	--	--
Johnston	10.0%	7.5%	7.5%	7.5%
Keokuk	--	--	--	--
Le Mars	--	--	--	--
Marion	--	--	--	--
Mashalltown	1.0%	1.0%	TBD	TBD
Mason City	3.5%	3.5%	3.5%	3.5%
Muscatine	--	--	--	--
Newton	5.0%	TBD	TBD	TBD
North Liberty	--	--	--	--
Norwalk	--	--	--	--
Oskaloosa	8.0%	8.0%	4.0%	4.0%
Ottumwa	--	--	--	--
Pella	--	--	--	--
Pleasant Hill	--	--	--	--
Sioux City	--	--	--	--
Spencer	--	--	--	--
Storm Lake	3.0%	3.0%	3.0%	3.0%
Urbandale	--	--	--	--
Waterloo	--	--	--	--
Waukee	--	--	--	--
Waverly	10.0%	2.5%	2.5%	TBD
West Des Moines	--	--	--	--

2022 SEWER RATE SURVEY
Special Programs, Facility Info, and NPDES Nutrient Reduction Requirements
Iowa Cities (Population 10,000+)
Prepared by the City of Ames, IA

City	FOG Program?	Pretreatment Program?	Outfall Receiving Stream	Hauled Waste Fees	NPDES Nutrient Requirements	NPDES Nutrient Req. Cost Implementation
Altoona	Y*	Y*	Little Four Mile Creek, Spring Creek	See DSM - WRA	--	--
Ames	Y	Y	Skunk River	Domestic: \$9.08/Load + \$4.38/100 gal.; Restaurants: \$60.19/Load + \$3.52/100 gal.; Non-Domestic: \$9.08/Load + unit rate TBD	Not required at this time.	-\$75M for nutrients; -\$17M for headworks improvements
Ankeny	Y*	Y*	Four Mile Creek	See DSM - WRA	--	--
Bettendorf	N	N	Mississippi River at Davenport WWTP	Not accepted	--	--
Boone	N	Y	Honey Creek	>100 mg/l = \$1.43/lb.	Not required at this time.	--
Burlington	N	Y	Mississippi River	Domestic Septic: Rate Steps \$195-\$1,016/up to 4k gal.; Non-Domestic Septic: Rate Steps \$292-\$1,524/up to 4k gal.; Domestic FOG: Rate Steps \$76-\$1,006/up to 2k gal.; Non-Domestic FOG Rate Steps \$115-\$1,510/up to 2k gal.	--	--
Cedar Falls	N	Y	Cedar River	TBD	--	Nutrient Reduction Feasibility Study -\$1.4M, 15 year phased plan for solids handling and nutrient reduction - \$400M. O&M costs - \$2.5M reduction as phased plan is implemented over 15 years.
Cedar Rapids	N	Y	Cedar River	Septic: \$127.89/1,000 gal.; Portable Toilet Waste: \$103.64/1,000 gal.; Grease (FOG): \$181.53/1,000 gal.	Required. Study complete.	
Clinton	Y	Y	Beaver Slough/Mississippi River	Not accepted	--	--
Clive	Y*	Y*	Walnut Creek	See DSM - WRA	--	--
Coralville	N	N	Iowa River	Not accepted	Required. Study not complete.	Currently in the monitoring phase. No limits established by IDNR.
Council Bluffs	N	Y	Missouri River	\$30.00/1,000 gal.	Required. Study not complete.	Study complete with prior permit estimated the capital cost of nutrient reduction at over \$50M.
Davenport	N	Y	Mississippi River	Domestic Septic: \$40/1,000 gal.; Non-Domestic Septic: \$60/1,000 gal.; \$8.00/1,000 gal. for high strength	Not required at this time.	--
Des Moines	Y	Y	Des Moines River	Domestic: \$160.70/1,000 gal.; Non-Domestic: \$241.10/1,000 gal.; FOG Rate: \$18.90/1,000 gal.	Not required at this time.	--
Dubuque	Y	Y	Mississippi River	--	--	--
Fort Dodge	N	Y	Des Moines River	>100mg/l = \$1.33/lb.	--	--
Fort Madison	N	Y	Mississippi River	TBD	--	--
Grimes	Y*	Y*	Little Beaver Creek	See DSM - WRA	--	--
Indianola	N	N	Cavitt Creek	Not accepted	Not required.	Approximately 35% into the construction of a new wastewater plant that has a substantial completion date of April 29, 2022 to handle the nutrient reduction requirements
Iowa City	N	Y	Iowa River	Holding tank waste: \$907 annual permit fee; \$32/1,000 gal.	--	--
Iowa Great Lakes Sanitary District	--	--	Milford Creek	Not accepted	--	--
Johnston	Y*	Y*	Des Moines River	See DSM - WRA	Not required.	--
Keokuk	N	Y	Mississippi River	Septage: \$75/1000 gal.	Required. Study complete.	--
Le Mars	N	N	Floyd River	>100 mg/l = \$0.5513/lb.	--	--
Marion				***See Cedar Rapids ** Contractual agreement for treatment services with City of Cedar Rapids.***		
Marshalltown	N	Y	Iowa River	Septage Waste: \$118/1,000 gal.; Domestic Grease: \$135/1,000 gal.; Non-Domestic Grease: \$270/1,000 gal.; Additional \$10 fee per load if not full load.	Required. Study complete.	\$9.6M Capital Cost with \$1.1M Annual Operating
Mason City	N	Y	Winnebago River	Domestic \$30/1,000 gal.; Non-Domestic: \$45/1,000 gal.	--	--
Muscatine	Y	Y	Mississippi River	Domestic \$30/1,000 gal.; Non-Domestic: \$60/1,000 gal.	--	--
Newton	Y	N	Sewer Creek to S. Skunk River	Domestic Grease: \$576.28/1,000 gal.; Non-Domestic Grease: \$864.43/1,000 gal.; Domestic Septage: \$384.19/1,000 gal.; Non-Domestic Septage: \$576.28/1,000 gal.; Min Grease/Septage Load: 100 gal.	Not required. Study complete.	Capitol cost of \$15.1M to \$61.9M; Annual Operating cost of \$1.7M to 5.1M; Not currently feasible.
North Liberty	N	N	Muddy Creek	Not accepted	Not required at this time.	--
Norwalk	Y*	Y*	North River	See DSM - WRA	--	--
Oskaloosa	N	N	Des Moines and South Skunk Rivers	Domestic: \$100/1,000 gal.; Non-Domestic: \$150/1,000 gal.	Not required at this time.	--
Ottumwa	N	Y	Des Moines River	Non-Domestic: \$25/load, \$0.11/gal.	Not required at this time.	--
Pella	N	N	Unnamed Creek to Des Moines River	Domestic Septage: \$100/1,000 gal.; Non-Domestic Septage: \$200/1,000 gal.	Required. Study complete.	Wastwater Treatment Plant Improvements: \$6.7M
Pleasant Hill	Y*	Y*	Des Moines River	See DSM - WRA	--	--
Sioux City	Y	Y	Missouri River	Septage: \$41.65/load; Wastewater: \$156/1000 lbs.	--	--
Spencer	N	N	Little Sioux River	Not accepted	--	--
Storm Lake	N	N	Raccoon River	Not accepted	Not required at this time. Study complete.	--
Urbandale	Y*	Y*	Beaver Creek	See DSM - WRA	--	--
Waterloo	Y	Y	Cedar River	Domestic liquid waste: \$10 for 0-500 gal.; \$20 for 501-1000 gal.; \$20 for each additional 1000 gal.; Non-Domestic: Additional \$20 flat surcharge fee	--	--
Waukege	Y*	Y*	Sugar Creek	See DSM - WRA	--	--
Waverly	N	N	Cedar River	Septic Tanks: \$10/load	Required. Study complete.	\$14.5 Million
West Des Moines	Y*	Y*	Raccoon River	See DSM - WRA	--	--

*Program administered by the DSM WRA

2022 SEWER RATE SURVEY
High Strength Surcharge Rates
Iowa Cities (Population 10,000+)
Prepared by the City of Ames, Iowa

City	COD	BOD ₅	CBOD ₅	TSS	NH ₃	TKN	TN	TP	FOG
Altoona	See DSM - WRA								
Ames	>550 mg/l = \$0.18/lb.	N/A	>250 mg/l = \$0.48/lb.	>300 mg/l = \$0.71/lb.	>30 mg/l = \$1.72/lb.	>45 mg/l = \$1.11/lb.	N/A	N/A	>300 mg/l = \$0.96/lb.
Ankeny	See DSM - WRA								
Bettendorf	N/A	>250 mg/l = TBD	N/A	>300 mg/l = TBD	N/A	N/A	N/A	N/A	N/A
Boone	N/A	>200 mg/l = \$0.86/lb.	N/A	>240 mg/l = \$0.39/lb.	N/A	N/A	N/A	N/A	>100 mg/l = \$1.43/lb.
Burlington	N/A	\$1.7516/lb.	N/A	\$1.4802/lb.	N/A	N/A	N/A	N/A	\$76-\$1,006/up to 2k gal.
Cedar Falls	N/A	>300 mg/l = \$0.10/lb.	N/A	>300 mg/l = \$0.10/lb.	N/A	N/A	N/A	N/A	TBD
Cedar Rapids	N/A	N/A	>42 lbs./day = \$0.172/lb.	>52 lbs./day = \$0.154/lb.	N/A	>6 lbs./day = \$0.729/lb.	N/A	N/A	\$181.53/1,000 gal.
Clinton	N/A	>212 mg/l = \$93.16/100lbs.	N/A	>210 mg/l = \$101.67/100lbs.	>25 mg/l = \$299.39/100lbs.	N/A	N/A	N/A	N/A
Clive	See DSM - WRA								
Coralville	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Council Bluffs	N/A	>350 mg/l = \$0.291/lb.	N/A	>350 mg/l = \$0.596/lb.	N/A	N/A	N/A	N/A	>100 mg/l = \$0.291/lb.
Davenport	N/A	>250 mg/l = \$0.808/lb.	N/A	>300 mg/l = \$0.1761/lb.	N/A	N/A	N/A	N/A	N/A
Des Moines	N/A	>200 mg/l = \$0.11/lb.	>200 mg/l = \$0.11/lb.	>250 mg/l = \$0.16/lb.	>15 mg/l = \$0.61/lb.	>30 mg/l = \$0.61/lb.	N/A	N/A	>100 mg/L = \$0.06/lb.
Dubuque	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	TBD
Fort Dodge	N/A	>250 mg/l = \$0.40/lb.	N/A	>250 mg/l = \$0.40/lb.	>20 mg/l = \$2.44/lb.	N/A	N/A	N/A	>100 mg/l = \$1.33/lb.
Fort Madison	\$0.39/lb.	\$0.80/lb.	N/A	\$0.84/lb.	>30 mg/l = \$2.52/lb.	N/A	N/A	N/A	TBD
Grimes	N/A	>250 mg/l = \$0.20/lb.	N/A	>250 mg/l = \$0.16/lb.	N/A	>50 mg/l = \$0.75/lb.	N/A	N/A	N/A
Indianola	N/A	>300 mg/l = \$12.31/1000 lbs.	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Iowa City	N/A	>300 mg/l = \$0.28 - \$0.425/lb.	N/A	\$0.227/lb.	N/A	N/A	N/A	N/A	N/A
Iowa Great Lakes Sanitary District	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Johnston	See DSM - WRA								
Keokuk	N/A	N/A	\$0.207/lb.	\$0.202/lb.	N/A	N/A	N/A	N/A	N/A
Le Mars	N/A	N/A	>200 mg/l = \$0.2056/lb.	>240 mg/l = \$0.2669/lb.	N/A	\$0.9118/lb.	N/A	N/A	>100 mg/l = \$0.5513/lb.
Marion	N/A	>250 mg/l = \$0.85/lb.	N/A	>250 mg/l = \$0.105/lb.	N/A	>250 mg/l = \$0.27/lb.	N/A	N/A	N/A
Marshalltown	N/A	>200 mg/l = \$0.606/lb.	N/A	>200 mg/l = \$0.364/lb.	N/A	>75 mg/l = \$0.394/lb.	N/A	N/A	\$135/1,000 gal.
Mason City	N/A	>300 mg/l = TBD	N/A	N/A	N/A	N/A	N/A	N/A	\$30/1,000 gal.
Muscatine	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	\$30/1,000 gal.
Newton	N/A	>200 mg/l = \$0.538/lb.	N/A	>240 mg/l = \$0.60/lb.	>50 mg/l = \$4.609/lb.	N/A	N/A	N/A	\$576.28/1,000 gal.
North Liberty	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Norwalk	See DSM - WRA								
Oskaloosa	N/A	\$0.48803/lb.	N/A	\$0.54262/lb.	\$2.11/lb.	N/A	N/A	N/A	\$100/1,000 gal.
Ottumwa	N/A	>300 mg/l = \$0.373/lb.	N/A	>300 mg/l = \$0.413/lb.	N/A	N/A	N/A	N/A	N/A
Pella	N/A	\$0.15/lb.	N/A	\$0.15/lb.	N/A	N/A	N/A	N/A	\$100/1,000 gal.
Pleasant Hill	See DSM - WRA								
Sioux City	N/A	>250 mg/l = \$0.295 - \$0.589/lb.	N/A	>300 mg/l = \$0.121 - \$0.241/lb.	N/A	>100 mg/l = \$0.6 lbs/day	N/A	N/A	>100 mg/l = \$0.203/lb - \$0.407/lb.
Spencer	N/A	>250 mg/l = \$0.64/lb.	N/A	>300 mg/l = \$0.29/lb.	>30 mg/l = \$1.98/lb.	N/A	N/A	N/A	N/A
Storm Lake	N/A	>200 mg/l = \$0.54/lb.	N/A	>200 mg/l = \$0.43/lb.	>30 mg/l = \$2.04/lb.	N/A	N/A	N/A	N/A
Urbandale	See DSM - WRA								
Waterloo	N/A	>300 mg/l = \$0.10/lb.	N/A	>350 mg/l = \$0.10/lb.	N/A	>30 mg/l = \$0.10/lb.	N/A	N/A	N/A
Waukee	See DSM - WRA								
Waverly	N/A	>40 lbs./day = \$6.44/lb.	N/A	>42 lbs./day = \$2.07/lb.	N/A	N/A	N/A	N/A	N/A
West Des Moines	See DSM - WRA								

2022 SEWER RATE SURVEY
Supply Chain Disruptions & Cost Increases
Iowa Cities (Population 10,000+)
Prepared by the City of Ames, Iowa

City	Type of Supply Chain Disruption	Associated Cost Increases
Altoona	No response	No response
American Water Co.	No response	No response
Ames	None	None
Ankeny	No response	No response
Bettendorf	No response	No response
Boone	Brass products, pipe, castings	25-30% increase on everything, sometimes more on pipe products.
Burlington	No response	No response
Cedar Falls	No response	No response
Cedar Rapids	Typical challenges and monitoring of delivery dates and lead times for chemicals and materials.	None
Clinton	No response	No response
Clive	No response	No response
Coralville	None	None
Council Bluffs	Long lead times on most construction materials. Worst examples are associated with pump station controls that have delivery dates exceeding one year.	Cost increases on many products are up 20-25%.
Davenport	No response	No response
Des Moines	No response	No response
Dubuque	No response	No response
Fort Dodge	No response	No response
Fort Madison	None	None
Grimes	No response	No response
Indianola	No response	No response
Iowa City	No response	No response
Johnston	Delays in pump replacement and repair parts.	None
Keokuk	No response	No response
Le Mars	No response	No response
Marion	No response	No response
Marshalltown	No response	No response
Mason City	No response	No response
Muscatine	No response	No response
Newton	None	None
North Liberty	No response	No response
Norwalk	No response	No response
Oskaloosa	None	None
Ottumwa	No response	No response
Pella	No disruptions serious enough to impact ability to operate/maintain.	Increase in price of propane used for heating purposes at the plant and two lift stations. Heating cost is approximately 30% higher.
Pleasant Hill	No response	No response
Sioux City	No response	No response
Spencer	No response	No response
Storm Lake	None	None
Urbandale	No response	No response
Waterloo	No response	No response
Waukee	No response	No response
Waverly	Lead time for any pump parts has increased greatly.	All associated costs of operating a facility are increasing, largest being any metal parts. A lot of deliveries have fuel surcharges or other surcharges.
West Des Moines	No response	No response