

2023 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	Jul. 2023	12.25	15.60	20.65	25.70	35.79	45.89	56.00	510.43	2,530	5,055	Residential
									521.43	2,541	5,066	Commercial
Ames	Jul. 2023	14.20	19.76	22.54	25.32	30.88	36.44	42.00	363.48	1,761	3,521	
Ankeny <i>dsm</i>	Apr. 2023	9.74	19.28	24.06	28.83	38.37	50.44	63.84	677.85	3,398	6,818	
Boone	Jul. 2023	12.36	19.22	22.65	26.08	32.94	39.80	46.66	557.24	2,798	5,600	Residential
									363.74	1,745	3,471	Commercial
Burlington	Jul. 2023	35.14	35.14	35.14	35.14	35.14	39.37	45.81	305.00	1,099	1,968	
Cedar Rapids	Jul. 2023	16.69	22.39	25.24	28.09	33.78	39.48	45.18	316.09	1,493	2,964	
Clive § <i>dsm</i>	May 2023	0	11.87	18.66	24.59	37.31	50.03	62.75	634.30	3,172	6,343	
Council Bluffs	Jan. 2023	13.76	13.76	13.76	15.40	23.10	30.80	38.50	300.00	1,240	2,165	
Des Moines <i>dsm</i>	Apr. 2023	6.00	14.81	19.22	23.62	32.44	41.25	50.06	448.60	1,793	3,022	
Dubuque	Jul. 2023	8.93	8.93	13.40	17.86	26.79	35.72	44.65	396.95	1,806	3,371	
Fort Madison	Jan. 2023	11.02	20.80	25.70	30.59	40.37	50.16	59.95	446.23	1,826	3,374	
Grimes <i>dsm</i>	Jul. 2023	12.34	17.66	25.68	33.69	49.73	65.77	81.82	804.36	4,026	8,039	
Indianola	May 2023	11.25	14.72	19.96	25.19	35.67	46.14	56.62	527.89	2,622	5,241	Residential
		11.25	14.85	20.27	25.69	36.54	47.38	58.24	546.34	2,716	5,427	Commercial
Iowa City	Jul. 2023	8.52	12.49	16.46	20.43	28.37	36.31	44.25	325.59	1,484	2,934	
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	Jul. 2023	17.92	17.92	18.81	21.55	27.03	32.50	37.98	278.43	1,179	2,286	
Marshalltown	Jul. 2023	11.04	17.08	20.10	23.12	29.16	35.20	41.24	315.46	1,541	3,067	Residential
		11.04	16.52	19.26	22.00	27.48	32.96	38.44	287.46	1,401	2,787	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. 2023	6.50	18.33	24.25	30.17	42.00	53.84	65.67	598.21	2,965	5,924	
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. 2023	16.04	24.94	29.39	33.84	42.74	51.64	60.54	468.36	2,271	3,939	
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. 2023	10.00	25.47	33.20	40.94	56.41	71.87	87.35	694.70	3,304	6,565	
Spencer	Sept. 2022	28.00	36.60	40.90	45.20	53.81	62.41	71.02	458.13	2,179	4,329	
Storm Lake	Jul. 2023	16.33	16.33	19.97	23.63	30.94	38.26	45.58	374.79	1,838	3,667	Residential
									286.66	1,309	2,569	Commercial
Urbandale <i>dsm</i>	May 2023	5.00	14.93	19.90	24.87	34.80	44.74	54.67	505.04	2,510	5,034	
Waukee <i>dsm</i>	Jul. 2023	13.81	18.46	25.47	32.49	46.53	60.56	74.60	706.10	3,513	7,021	
West Des Moines	Jan. 2023	4.60	14.16	18.94	23.72	33.28	42.84	52.40	483.28	2,403	4,802	

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

1"

2"

3"

§ Clive rounds down to the nearest 100 gallons

dsm Treated water from Des Moines Water Works

2023 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.†	Oct. 2021	14.06	24.20	29.27	34.34	44.48	54.62	64.76	381.70	1,571	2,959	
Carroll	Jul. 2017	5.00	10.14	12.66	15.18	20.22	25.26	30.10	243.52	1,188	2,368	
Cedar Falls	Jan. 2023	15.80	19.30	21.05	22.80	26.30	29.80	33.30	198.55	934	1,846	Residential
		15.80	20.10	22.25	24.40	28.70	33.00	37.30	181.85	825	1,622	Commercial
Coralville	Jul. 2023	7.85	7.85	9.88	11.91	15.97	20.03	24.09	206.79	1,019	2,034	Residential
		13.50	13.50	15.53	17.56	21.62	25.68	29.74	212.44	1,024	2,039	Commercial
Fort Dodge Δ	Jan. 2023	23.21	23.21	23.21	23.21	35.03	40.94	52.76	338.57	1,380	2,517	
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. 2023	15.40	15.40	17.43	19.45	23.50	27.56	31.61	280.52	1,434	2,873	
Mason City	Jul. 2023	17.77	17.77	20.00	24.39	33.17	41.95	50.73	302.03	1,312	2,574	
Muscatine	Jul. 2023	16.00	19.02	20.53	22.04	25.06	28.08	31.10	167.00	771	1,526	Residential
		23.64	25.51	26.45	27.38	29.25	31.12	33.00	121.92	515	926	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. 2023	11.29	11.29	11.29	13.46	17.80	22.14	26.48	206.73	988	1,911	
Waverly	Jun. 2023	11.91	11.91	14.58	19.44	29.16	38.88	48.60	365.13	1,374	2,617	

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.

2023 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	21,503	wells, softening	6.75 flat per 134 CF	12.25	0
American Water Co.	-- *	filtration	6.775 to 3.719 to 3.388 to 2.373/134 CF	14.00	0
Ames	66,950	wells, softening	2.78 flat per 100 CF	14.20	0
Ankeny	72,222	wells, river, softening	6.38 to 8.95/134 CF	9.74	0
Bettendorf	39,548	See American Water Co. Line			
Boone	12,406	wells, softening	3.43 to 5.58/100 CF	12.36	0
Burlington	23,611	river, softening	5.23 to 4.30 to 3.40 to 2.74 to 2.16 to 1.98/134 CF	35.14	668
Carroll	10,184	wells, iron removal, filtration	2.57 to 2.52 to 2.42 to 2.36/100 CF	5.00	0
Cedar Falls	40,746	wells, chlorine	1.75 flat per 100 CF	15.80	0
Cedar Rapids	136,429	wells, softening	2.8490 to 2.6983 to 2.2850 to 1.1059/100 CF	16.69	0
Clinton	24,391	See American Water Co. Line			
Clive	18,908	wells, river, softening	8.48 flat per 134 CF	0.00	0
Coralville	23,125	iron removal, filtration	2.03 flat per 100 CF over min.	7.85	200
Council Bluffs	62,405	river softening	3.85 to 2.85 to 1.85/100 CF over min.	13.76	300
Davenport	100,486	See American Water Co. Line			
Des Moines	211,034	wells, river, softening	4.406 to 2.962 to 2.274/100 CF	6.00	0
Dubuque	58,873	wells, softening	5.97 to 4.90 to 4.57 to 4.03 to 3.53/134 CF	8.93	200
Fort Dodge	24,657	iron removal, filtration	5.91 to 3.87 to 3.04 to 2.12 to 1.58/134 CF	23.21	268
Fort Madison	10,134	river, softening	6.54 to 5.87 to 4.73 to 3.76/134 CF	11.02	0
Grimes	16,295	wells, softening	10.72 flat per 134 CF	12.34	0
Indianola	16,069	wells, softening	7.00 flat per 134 CF over min.	11.25	134
Iowa City	75,233	wells, softening	3.97 to 2.85/100 CF over min.	8.52	100
Johnston	24,390	wells, river, softening	7.85 flat per each 134 CF	10.56	0
Keokuk	9,623	river, softening	3.66 to 3.56 to 2.96 to 2.52 to 2.65/134 CF over min.	17.92	268
Le Mars	10,605	wells, filtration	7.17 to 2.76 to 1.76 to 1.44/134 CF	14.33	268
Marion	41,864	iron removal, filtration	1.70 to 2.03 to 2.34 to 2.57 to 2.82/100 CF over min.	15.40	200
Marshalltown	27,433	wells, softening	3.02 flat per 100 CF	11.04	0
Mason City	26,924	wells, chlorine	4.39 to 3.731 to 2.524/100 CF	17.77	0
Muscatine	23,413	wells, chlorine	1.51 flat per 100 CF	16.00	0
Newton	15,688	wells, softening	2.87 flat per 100 CF over min.	11.45	200
North Liberty	21,399	ion exchange	7.01 flat per 134 CF over min.	17.44	134
Norwalk	14,177	wells, river, softening	7.91 flat per 134 CF	6.50	0
Oskaloosa	11,482	wells, softening	7.92 flat per 100 CF over min.	15.84	200
Ottumwa	25,175	river, softening	4.45 to 3.25 to 2.37/100 CF	16.04	0
Pella	10,744	wells, softening	4.82 flat per 134 CF	19.97	0
Pleasant Hill	11,186	wells, river, softening	10.34 to 8.72/134 CF	10.00	0
Sioux City	85,497	filtration	4.12 to 2.50/100 CF over min.	13.48	200
Spencer	11,413	wells, softening	5.75 flat per 134 CF	28.00	0
Storm Lake	11,307	wells, softening	4.89 flat per 134 CF over min.	16.33	200
Urbandale	46,648	wells, river, softening	6.64 flat per 134 CF	5.00	0
Waterloo	66,562	--	2.17 to 1.89 to 1.80 to 1.64/100 CF over min.	11.29	300
Waukeke	29,167	wells, river, softening	9.38 flat per 134 CF over min.	13.81	134
Waverly	10,522	--	4.86 to 3.89 to 3.16 to 2.43/100 CF over min.	11.91	245
West Des Moines	70,741	wells, softening	6.39 flat per 134 CF	4.60	0

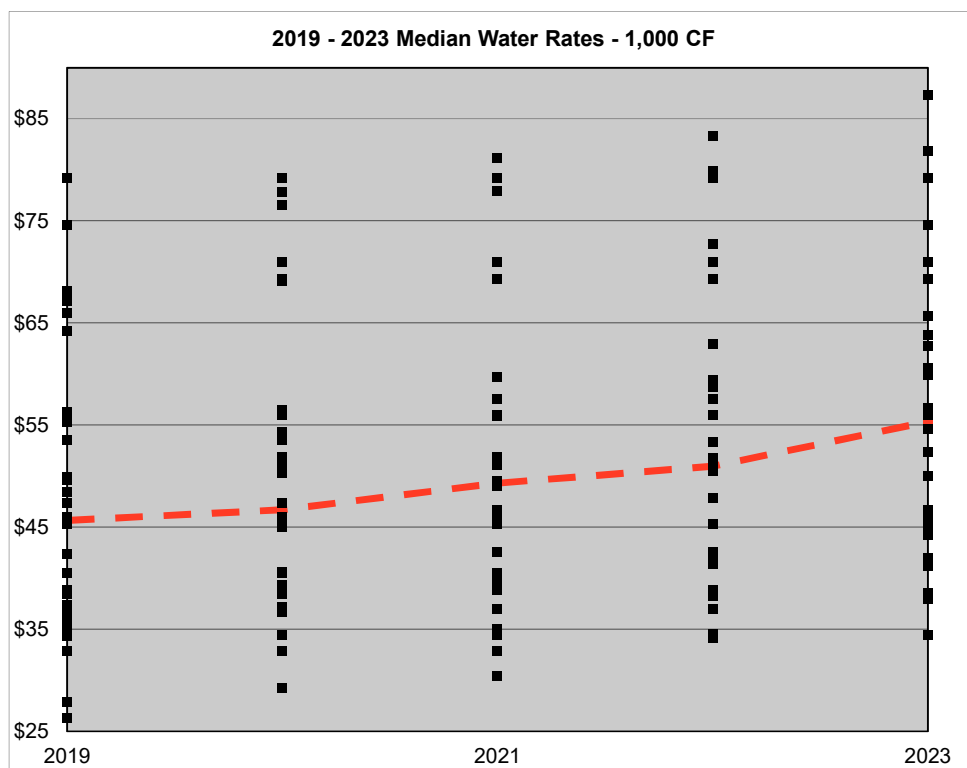
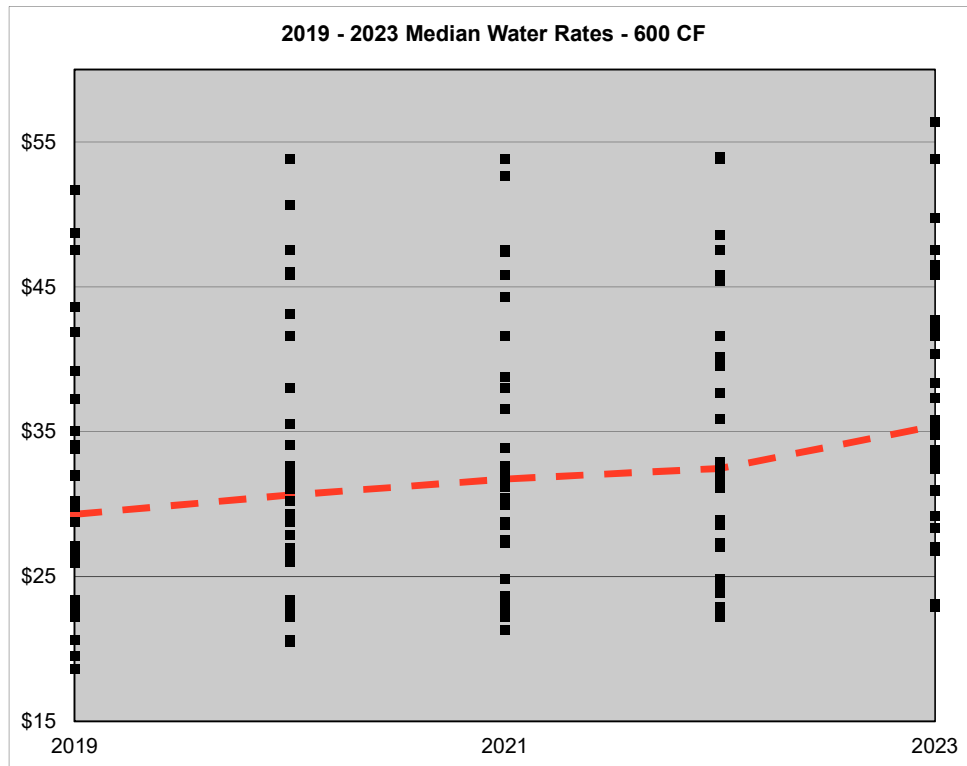
* American Water Co serves Bettendorf, Clinton, and Davenport's populations

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

2023 WATER RATE SURVEY
Softening Water Plants Only
Iowa Cities (Population 10,000+)
Prepared by the City of Ames, Iowa

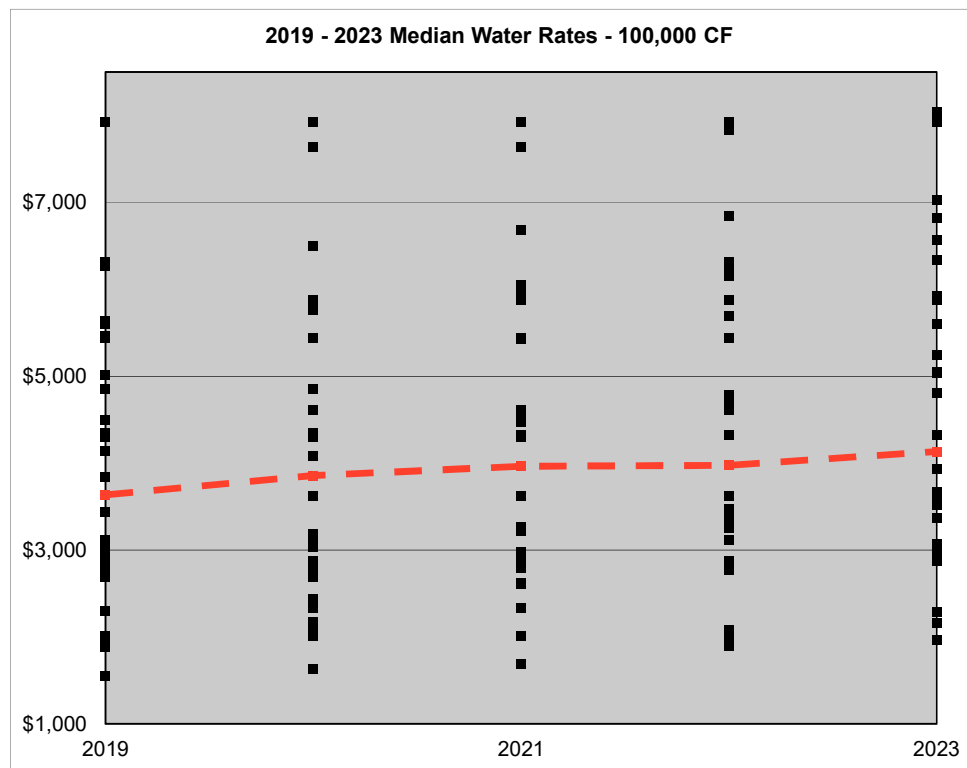
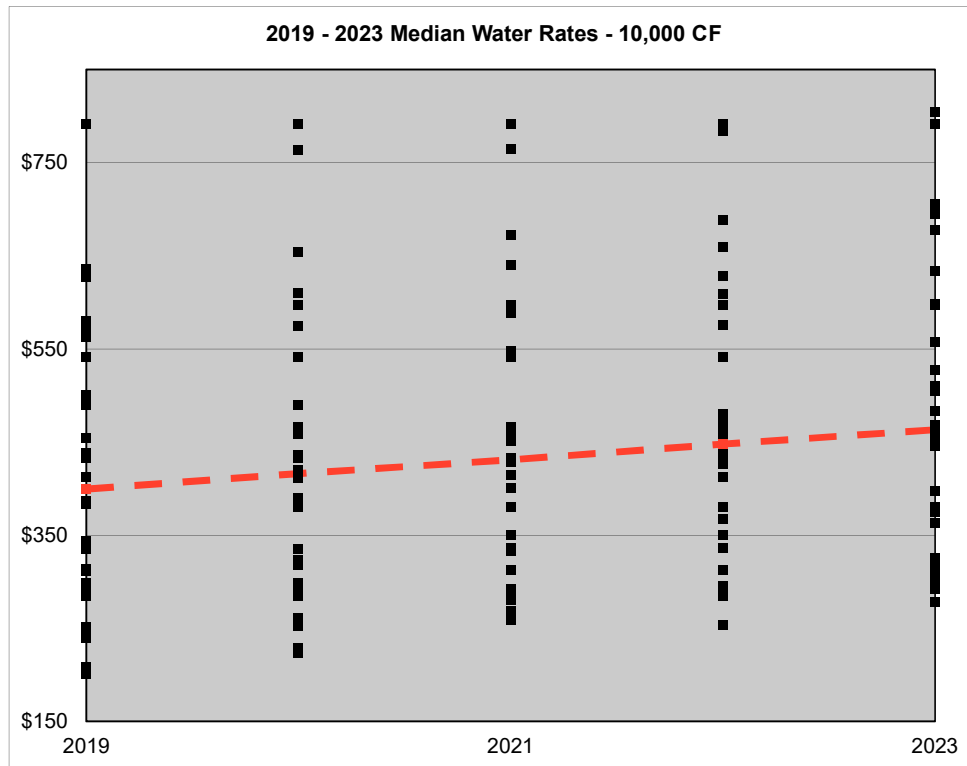
0 CF		600 CF		1,000 CF		10,000 CF		50,000 CF		100,000 CF	
Burlington	35.14	Pleasant Hill	56.41	Pleasant Hill	87.35	Grimes	804.36	Grimes	4,026	Grimes	8,039
Spencer	28.00	Spencer	53.81	Grimes	81.82	Oskaloosa	792.00	Oskaloosa	3,960	Oskaloosa	7,920
Pella	19.97	Grimes	49.73	Oskaloosa	79.20	Waukee	706.10	Waukee	3,513	Waukee	7,021
Keokuk	17.92	Oskaloosa	47.52	Waukee	74.60	Pleasant Hill	694.70	Ankeny	3,398	Ankeny	6,818
Cedar Rapids	16.69	Waukee	46.53	Spencer	71.02	Ankeny	677.85	Pleasant Hill	3,304	Pleasant Hill	6,565
Storm Lake	16.33	Johnston	45.80	Johnston	69.29	Clive	634.30	Clive	3,172	Clive	6,343
Ottumwa	16.04	Ottumwa	42.74	Norwalk	65.67	Norwalk	598.21	Norwalk	2,965	Norwalk	5,924
Oskaloosa	15.84	Norwalk	42.00	Ankeny	63.84	Johnston	597.78	Johnston	2,947	Johnston	5,883
Ames	14.20	Pella	41.60	Clive	62.75	Boone	557.24	Boone	2,798	Boone	5,600
Waukee	13.81	Fort Madison	40.37	Ottumwa	60.54	Indianola	527.89	Indianola	2,622	Indianola	5,241
Council Bluffs	13.76	Ankeny	38.37	Fort Madison	59.95	Altoona	510.43	Altoona	2,530	Altoona	5,055
Boone	12.36	Clive	37.31	Indianola	56.62	Urbandale	505.04	Urbandale	2,510	Urbandale	5,034
Grimes	12.34	Altoona	35.79	Pella	56.03	West Des Moines	483.28	West Des Moines	2,403	West Des Moines	4,802
Altoona	12.25	Indianola	35.67	Altoona	56.00	Ottumwa	468.36	Ottumwa	2,271	Spencer	4,329
Newton	11.45	Burlington	35.14	Urbandale	54.67	Spencer	458.13	Spencer	2,179	Ottumwa	3,939
Indianola	11.25	Urbandale	34.80	West Des Moines	52.40	Des Moines	448.60	Storm Lake	1,838	Storm Lake	3,667
Marshalltown	11.04	Cedar Rapids	33.78	Des Moines	50.06	Fort Madison	446.23	Fort Madison	1,826	Pella	3,626
Fort Madison	11.02	West Des Moines	33.28	Boone	46.66	Dubuque	396.95	Pella	1,823	Ames	3,521
Johnston	10.56	Boone	32.94	Burlington	45.81	Pella	380.53	Dubuque	1,806	Fort Madison	3,374
Pleasant Hill	10.00	Des Moines	32.44	Storm Lake	45.58	Storm Lake	374.79	Des Moines	1,793	Dubuque	3,371
Ankeny	9.74	Storm Lake	30.94	Cedar Rapids	45.18	Ames	363.48	Ames	1,761	Marshalltown	3,067
Dubuque	8.93	Ames	30.88	Dubuque	44.65	Iowa City	325.59	Marshalltown	1,541	Des Moines	3,022
Iowa City	8.52	Marshalltown	29.16	Iowa City	44.25	Cedar Rapids	316.09	Cedar Rapids	1,493	Cedar Rapids	2,964
Norwalk	6.50	Iowa City	28.37	Ames	42.00	Marshalltown	315.46	Iowa City	1,484	Iowa City	2,934
Des Moines	6.00	Keokuk	27.03	Marshalltown	41.24	Burlington	305.00	Newton	1,441	Newton	2,876
Urbandale	5.00	Dubuque	26.79	Council Bluffs	38.50	Council Bluffs	300.00	Council Bluffs	1,240	Keokuk	2,286
West Des Moines	4.60	Council Bluffs	23.10	Keokuk	37.98	Newton	292.71	Keokuk	1,179	Council Bluffs	2,165
Clive	0	Newton	22.93	Newton	34.41	Keokuk	278.43	Burlington	1,099	Burlington	1,968
High	35.14	High	56.41	High	87.35	High	804.36	High	4,026	High	8,039
Median	11.85	Median	35.41	Median	55.34	Median	463.25	Median	2,225	Median	4,134
Low	0.00	Low	22.93	Low	34.41	Low	278.43	Low	1,099	Low	1,968

2023 WATER RATE SURVEY
Median Water Rates
Historical Comparison 2019 - 2023
Iowa Cities (Population 10,000+)
 Prepared by the City of Ames, Iowa



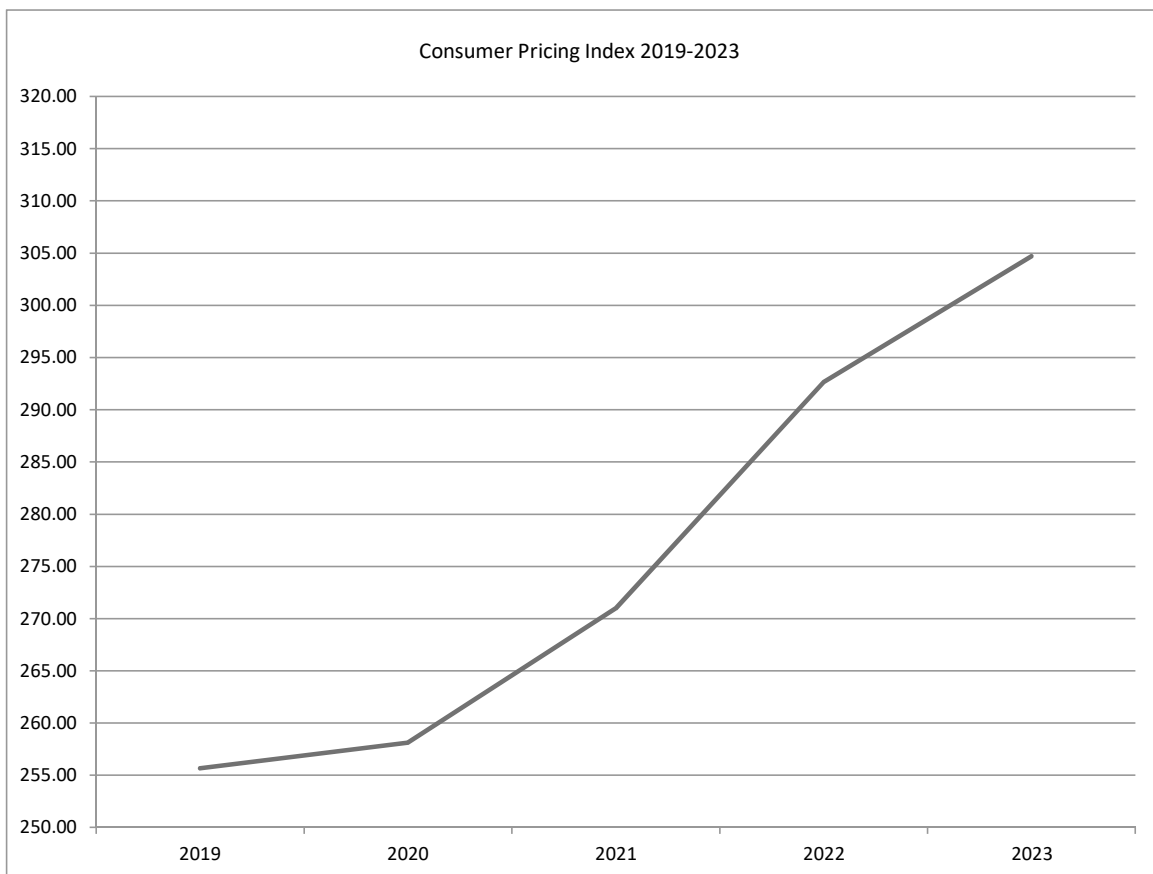
--- Median

2023 WATER RATE SURVEY
Median Water Rates
Historical Comparison 2019 - 2023
Iowa Cities (Population 10,000+)
Prepared by the City of Ames, Iowa



--- Median

2023 WATER RATE SURVEY
Median Water Rates
Historical Comparison 2019 - 2023
Iowa Cities (Population 10,000+)
Prepared by the City of Ames, Iowa



2023 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	Residential Winter Rates (Nov. 1 - June 30): \$0.0278/cf Residential Summer Rates (July 1 - Oct. 31): \$0.0278/cf for first 1,000 cf of usage \$0.0490/cf for the next 1,500 cf of usage \$0.0737/cf for all usage over 2,500 cf Non-Residential Winter Rates: \$0.0278/cf Non-Residential Summer Rates: \$0.0364/cf	Irrigation/Yard Water Rates: July 1 - Oct. 31: \$0.0401/cf for first 2,000 cf of usage \$0.0737/cf for the next 3,000 cf of usage \$0.1227/cf for all usage over 5,000 cf
Ankeny	None	
Boone	None	
Burlington	None	
Carroll	Irrigation Rate: \$3.42/100 CF; Minimum charge of \$5/mo.	
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: \$8.48-\$16.73/1,000 gal. for residential, \$9.82-\$14.16/1,000 gal. for commercial	
Coralville	None	
Council Bluffs	None	
Des Moines	Wholesale rates to suburban communities: \$4.57/1,000 gallons for regular wholesale, \$3.39/1,000 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	Irrigation Rate: \$10.72/1,000 gallons	
Indianola	Irrigation Rate: \$7.25/1,000 gallons	
Iowa City	None	
Johnston	Irrigation Rates: 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 Rate: \$3.10/100 CF	
Mason City	None	
Muscatine	None	
Newton	None	
North Liberty	None	
Norwalk	Over 350K gal./day = \$6.50/1000 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: \$7.69/1,000 gallons	
Waterloo	None	
Waukee	Irrigation Rate: \$12.38/1,000 gallons	
Waverly	None	
West Des Moines	Irrigation Rate: \$7.70/1,000 gallons	

2023 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			
		2024	2025	2026	2027
Altoona	Cambrian-Ordovician aquifer	--	--	--	--
American Water	Cambrian-Ordovician aquifers	--	--	--	--
Ames	Ames aquifer	0.0%	9.0%	0.0%	9.0%
Ankeny	DMWW (Des Moines and Raccoon Rivers)	8.0%	8.0%	8.0%	8.0%
Boone	Middle Des Moines River sand and gravel alluvial aquifer	3.0%	3.0%	3.0%	3.0%
Burlington	80% Mississippi River, 20% from 3 wells in the Pleistocene aquifer	5.0%	5.0%	5.0%	5.0%
Carroll	Pleistocene & Dakota Sandstone aquifers, Middle Raccoon River	0.0%	0.0%	0.0%	0.0%
Cedar Falls	Silurian-Devonian aquifer	7.9%	7.5%	3.9%	3.9%
Cedar Rapids	Cedar River	--	--	--	--
Clive	Des Moines Water Works (Des Moines/Raccoon Rivers)	TBD	TBD	TBD	TBD
Coralville	Jordan (Cambrian-Ordovician), Silurian, and Pleistocene aquifers	5.50%	5.20%	TBD	TBD
Council Bluffs	Missouri River and Missouri River Alluvium	0.0%	5.0%	0.0%	5.0%
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%	--
Grimes	Sand and gravel of the Alluvial aquifer, sandstone and dolomite of the Cambrian-Ordovician aquifer*	2.5%	2.5%	2.5%	--
Indianola	Cambrian-Jordan Sandstone aquifer	TBD	TBD	TBD	TBD
Iowa City	Alluvial aquifer	--	--	--	--
Johnston	DMWW (Des Moines and Raccoon Rivers)	--	--	--	--
Keokuk	Mississippi River and its tributaries	5.0%	5.0%	5.0%	5.0%
Le Mars	Dakota Sandstone aquifer	--	--	--	--
Marion	Jordan and Silurian aquifers	5.0%	5.0%	5.0%	5.0%
Marshalltown	Mississippi and Pleistocene aquifers	8.0%	8.0%	8.0%	8.0%
Mason City	Cambrian-Ordovician aquifer	2.5%	2.5%	2.5%	5.0%
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	4.0%	4.0%	4.0%	4.0%
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*	6.0%	--	--	--
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	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	7.0%	7.0%	7.0%	7.0%
Urbandale	Des Moines Water Works (Des Moines/Raccoon Rivers)	5.0%	5.0%	5.0%	5.0%
Waterloo	Cedar Valley and alluvial aquifers	2.0%	2.0%	2.0%	2.0%
Waukee	Des Moines Water Works (Des Moines/Raccoon Rivers)	3.0%	3.0%	3.0%	3.0%
Waverly	Groundwater wells that draw water from the Silurian-Devonian aquifer	3.0%	TBD	TBD	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)

2023 WATER RATE SURVEY
Projected Rate Increases
Iowa Cities (Population 10,000+)
Prepared by the City of Ames, Iowa

2024		2025		2026		2027	
Ankeny	8.0%	Ames	9.0%	Ankeny	8.0%	Ames	9.0%
Marshalltown	8.0%	Ankeny	8.0%	Marshalltown	8.0%	Ankeny	8.0%
Cedar Falls	7.9%	Marshalltown	8.0%	Storm Lake	7.0%	Marshalltown	8.0%
Storm Lake	7.0%	Cedar Falls	7.5%	Burlington	5.0%	Storm Lake	7.0%
Ottumwa	6.0%	Storm Lake	7.0%	Keokuk	5.0%	Burlington	5.0%
Coralville	5.5%	Coralville	5.2%	Marion	5.0%	Council Bluffs	5.0%
Burlington	5.0%	Burlington	5.0%	Oskaloosa	5.0%	Keokuk	5.0%
Keokuk	5.0%	Council Bluffs	5.0%	Urbandale	5.0%	Marion	5.0%
Marion	5.0%	Keokuk	5.0%	Norwalk	4.0%	Mason City	5.0%
Oskaloosa	5.0%	Marion	5.0%	Cedar Falls	3.9%	Oskaloosa	5.0%
Urbandale	5.0%	Oskaloosa	5.0%	Boone	3.0%	Urbandale	5.0%
Norwalk	4.0%	Urbandale	5.0%	Waukee	3.0%	Norwalk	4.0%
Boone	3.0%	Norwalk	4.0%	Grimes	2.5%	Cedar Falls	3.9%
Waukee	3.0%	Boone	3.0%	Mason City	2.5%	Boone	3.0%
Waverly	3.0%	Waukee	3.0%	Fort Madison	2.0%	Waukee	3.0%
Grimes	2.5%	Grimes	2.5%	Waterloo	2.0%	Waterloo	2.0%
Mason City	2.5%	Mason City	2.5%	Ames	0.0%	Carroll	0.0%
Fort Madison	2.0%	Fort Madison	2.0%	Carroll	0.0%	Clive	TBD
Waterloo	2.0%	Waterloo	2.0%	Council Bluffs	0.0%	Coralville	TBD
Ames	0.0%	Carroll	0.0%	Clive	TBD	Des Moines	TBD
Carroll	0.0%	Clive	TBD	Coralville	TBD	Indianola	TBD
Council Bluffs	0.0%	Des Moines	TBD	Des Moines	TBD	Waverly	TBD
Clive	TBD	Indianola	TBD	Indianola	TBD	West Des Moines	TBD
Des Moines	TBD	Waverly	TBD	Waverly	TBD	Altoona	--
Indianola	TBD	West Des Moines	TBD	West Des Moines	TBD	American Water	--
West Des Moines	TBD	Altoona	--	Altoona	--	Cedar Rapids	--
Altoona	--	American Water	--	American Water	--	Dubuque	--
American Water	--	Cedar Rapids	--	Cedar Rapids	--	Fort Dodge	--
Cedar Rapids	--	Dubuque	--	Dubuque	--	Fort Madison	--
Dubuque	--	Fort Dodge	--	Fort Dodge	--	Grimes	--
Fort Dodge	--	Iowa City	--	Iowa City	--	Iowa City	--
Iowa City	--	Johnston	--	Johnston	--	Johnston	--
Johnston	--	Le Mars	--	Le Mars	--	Le Mars	--
Le Mars	--	Muscatine	--	Muscatine	--	Muscatine	--
Muscatine	--	Newton	--	Newton	--	Newton	--
Newton	--	North Liberty	--	North Liberty	--	North Liberty	--
North Liberty	--	Ottumwa	--	Ottumwa	--	Ottumwa	--
Pella	--	Pella	--	Pella	--	Pella	--
Pleasant Hill	--	Pleasant Hill	--	Pleasant Hill	--	Pleasant Hill	--
Sioux City	--	Sioux City	--	Sioux City	--	Sioux City	--
Spencer	--	Spencer	--	Spencer	--	Spencer	--
MEDIAN	4.5%	MEDIAN	5.00%	MEDIAN	3.90%	MEDIAN	5.00%

2023 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	No response	No response
American Water Co.	No response	No response
Ames	Extended delivery times for meters and generators.	None
Ankeny	Meters appear to be getting hard to get, but so far we are OK. Electrical components are crazy long lead times.	Labor costs have seemed to increase anywhere from 20 - 30%
Bettendorf	See American Water Co.	See American Water Co.
Boone	Most everything is available except meter, and electronics.	12-15% increase this year on water meters as well as most brass and cast parts.
Burlington	None	Increase in chemicals.
Carroll	Fire hydrant delivery	35% increase in treatment chemical costs
Cedar Falls	Lead time on meters, ductile iron pipe, and fire hydrants.	Ductile iron pipe 30-40% increase. Fire hydrants 75% increase.
Cedar Rapids	No response	No response
Clinton	See American Water Co.	See American Water Co.
Clive	None	None
Coralville	Meter lead times are much more noticable than before.	The noticeable cost increases we are seeing is in regards to contracted work (like excavation, concrete work, etc.).
Council Bluffs	Some chemicals and supplies have taken a longer time to receive.	Cost of materials have increased and shipping cost.
Davenport	See American Water Co.	See American Water Co.
Des Moines	While things have gotten better over the last year, we are still seeing longer lead times for certain products. Seems that anything electronic; meters, batteries, pumps etc, lead times are still much longer than before, sometimes double the time.	While Chemical expenses had been up 50-70% in 2023, we are seeing chemical prices stabilize for the 2024 budget. We are anticipating closer to a 20% increase in 2024 over 2023.
Dubuque	No response	No response
Fort Dodge	No response	No response
Fort Madison	No response	No response
Grimes	We have at times experienced shortages on certain water meters and radio readers.	Freight and delivery charges have increased on chemicals.
Indianola	None	None
Iowa City	No response	No response
Johnston	Delays in construction projects.	None
Keokuk	None	2023: Lime +15%, Carbon +12%, Phosphate +6%. Ammonia -8%, Alum -3%
Le Mars	No response	No response
Marion	Ordering new custom work trucks, one year out. Larger meters take 6-8 months to get.	Electric costs are very high even when one of your water plants is offline for 6+ months.
Marshalltown	None	None
Mason City	None	None
Muscatine	No response	No response
Newton	No response	No response
North Liberty	No response	No response
Norwalk	None	None
Oskaloosa	None	None
Ottumwa	Chemicals for water treatment; Hydro dam repairs - FERC	None
Pella	No response	No response
Pleasant Hill	No response	No response
Sioux City	None	None
Spencer	No response	No response
Storm Lake	None	None
Urbandale	Meters are slow incoming keeping up with new, but replacement has been minimized.	All cost are going up 15 and 20%.
Waterloo	Still issues with getting meters and MXU's. Had to change chemical suppliers to try and maintain reasonable price.	Construction costs are up 30% - 40% in the last two or three years as well as chemical costs being sometimes 100% or more higher than prices from 2019-2020.
Waukeke	AMI end points and various other maintenance parts unavailable and/or longer than typical lead times (months vs days)	None
Waverly	None	None
West Des Moines	None	None

2023 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	Jul. 2023	14.82	19.69	27.04	34.38	49.07	63.76	78.46	739.59	3,678	7,351
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. 2022	17.49	27.15	31.99	36.82	46.48	56.15	65.82	522.53	2,535	5,090
Bettendorf	Apr. 2023	2.00	9.68	13.52	17.36	25.04	32.72	40.40	386.00	1,922	3,842
Boone	Jul. 2023	3.09	19.51	27.72	35.93	52.35	68.77	85.19	824.09	4,108	8,213
Burlington	Jul. 2023	20.55	32.82	38.95	45.08	57.35	69.62	81.89	633.95	3,088	6,155
Carroll	Jul. 2023	8.81	17.99	22.58	27.17	36.35	45.53	54.71	467.81	2,304	4,599
Cedar Falls	Jul. 2023	24.55	24.55	28.95	33.35	42.15	50.95	59.75	455.75	2,216	4,416
Cedar Rapids	Jul. 2023	21.28	21.28	24.11	26.94	32.61	38.27	43.94	298.85	1,432	2,848
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 2023	8.49	14.96	21.43	21.43	34.37	40.84	53.78	487.27	2,428	4,848
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. 2023	13.69	13.69	13.69	16.88	25.32	33.76	42.20	422.00	2,110	4,220
Davenport	Jul. 2023	12.45	24.47	30.48	36.49	48.51	60.53	72.55	613.45	3,017	6,022
Des Moines	Jul. 2023	4.40	17.63	24.24	30.85	44.07	57.30	70.53	665.68	3,311	6,617
Dubuque	Jul. 2023	12.54	12.54	18.81	25.08	37.61	50.15	62.69	626.87	3,134	6,269
Fort Dodge Δ	Jan. 2023	41.93	41.93	41.93	41.93	45.69	49.45	56.97	308.89	1,437	2,843
Fort Madison	Jul. 2023	27.06	36.41	41.09	45.76	55.11	64.46	73.82	494.59	2,365	4,702
Grimes	Jul. 2023	8.84	13.23	19.84	26.45	39.67	52.90	66.13	661.28	3,306	6,613
Indianola	Jun. 2023	25.00	30.71	39.31	47.91	65.11	82.32	99.53	873.76	4,315	8,616
Iowa City	Jul. 2023	8.31	12.38	16.45	20.52	28.66	36.80	44.94	411.24	2,039	4,074
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. 2023	7.67	18.28	23.58	28.88	39.49	50.10	60.71	538.04	2,660	5,311
Keokuk	Jul. 2023	33.42	33.42	35.26	40.78	51.82	62.86	73.90	570.70	2,779	5,539
Le Mars	Jul. 2023	9.36	13.22	15.15	17.09	20.95	24.81	28.68	202.54	975	1,941
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. 2023	24.23	30.51	33.65	36.79	43.07	49.35	55.63	338.23	1,594	3,164
Mason City	Jul. 2023	11.35	11.35	13.92	16.67	22.17	27.67	33.17	280.67	1,381	2,756
Muscatine †	Jul. 2023	33.28	33.28	33.28	36.52	43.00	49.48	55.96	347.56	1,644	3,264
Newton	Jul. 2023	15.15	15.15	20.03	24.91	34.67	44.43	54.19	493.39	2,445	4,885
North Liberty ∞	Jul. 2020	31.24	31.24	36.87	36.87	48.13	53.76	65.02	442.23	2,131	4,237
Norwalk	Jul. 2023	8.00	23.92	31.88	39.83	55.75	71.67	87.60	803.93	3,988	7,967
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. 2023	12.82	24.27	29.99	35.71	47.15	58.60	70.05	467.80	2,117	4,177
Sioux City	Jul. 2023	15.45	15.45	21.24	27.03	38.61	50.19	61.77	591.82	2,941	5,874
Spencer ‡	Jul. 2023	38.03	45.72	49.56	53.41	61.10	68.79	76.48	424.75	1,886	3,788
Storm Lake	Jul. 2023	25.54	32.89	36.56	40.23	47.58	54.92	62.27	392.83	1,862	3,698
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. 2023	20.09	20.09	20.09	23.31	29.75	36.19	42.63	332.43	1,620	3,230
Waukee	Jul. 2023	15.94	21.91	30.92	39.92	57.94	75.95	93.97	904.55	4,507	9,010
Waverly	Jun. 2023	19.21	19.21	23.52	31.36	47.04	62.72	78.40	784.00	3,920	7,840
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 \$14.07/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 \$21.78.

2023 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	21,503	Jul. 2023	9.82 flat per 134 CF	14.82	0
Ames	66,950	Jul. 2022	3.11 flat per 100 CF	12.16	0
Ankeny	72,222	Jul. 2022	6.46 flat per 134 CF	17.49	0
Bettendorf	39,548	Apr. 2023	3.84 flat per 100 CF	2.00	0
Boone	12,406	Jul. 2023	8.21 flat per 100 CF	3.09	0
Burlington	23,611	Jul. 2023	8.20 flat per 134 CF	20.55	0
Carroll	10,184	Jul. 2023	4.59 flat per 100 CF	8.81	0
Cedar Falls	40,746	Jul. 2023	4.40 flat per 100 CF over min.	24.55	200
Cedar Rapids	136,429	Jul. 2023	2.8323 flat per 100 CF over min.	21.28	200
Clinton	24,391	Jul. 2019	9.63 flat per 100 CF over min.	9.63	100
Clive	18,908	May 2023	6.47 flat per 134 CF	8.49	0
Coralville	23,125	Jul. 2019	4.40 flat per 100 CF over min.	13.75	200
Council Bluffs	62,405	Jul. 2023	4.22 flat per 100 CF over min.	13.69	300
Davenport Δ	100,486	Jul. 2023	6.01 flat per 100 CF	12.45	0
Des Moines	211,034	Jul. 2023	8.84 flat per 134 CF	4.40	0
Dubuque	58,873	Jul. 2023	8.38 flat per 134 CF over min.	12.54	200
Fort Dodge	24,657	Jan. 2023	3.76 flat per 134 CF over min.	41.93	400
Fort Madison	10,134	Jul. 2023	6.25 flat per 134 CF	27.06	0
Grimes	16,295	Jul. 2023	8.84 flat per 134 CF	8.84	134
Indianola	16,069	Jun. 2023	11.50 flat per 134 CF over min.	25.00	134
Iowa City	75,233	Jul. 2023	4.07 flat per 100 CF over min.	8.31	100
IA Great Lakes		Dec. 2007	1.35 flat per 134 CF	5.00	0
Johnston	24,390	Jul. 2023	7.09 flat per 134 CF	7.67	0
Keokuk	9,623	Jul. 2023	7.36 flat per 134 CF over min.	33.42	268
Le Mars	10,605	Jul. 2023	2.5824 flat per 134 CF	9.36	0
Marion	41,864	Jul. 2022	6.00 flat per 100 CF	4.00	0
Marshalltown	27,433	Jan. 2023	3.14 flat per 100 CF	24.23	0
Mason City	26,924	Jul. 2023	2.75 flat per 100 CF	11.35	0
Muscatine	23,413	Jul. 2023	3.24 flat per 100 CF over min.	33.28	300
Newton	15,688	Jul. 2023	4.88 flat per 100 CF over min.	15.15	200
North Liberty	21,399	Jul. 2020	5.63 flat per 134 CF over min.	31.24	134
Norwalk	14,177	Jul. 2023	10.64 flat per 134 CF	8.00	0
Oskaloosa	11,482	Mar. 2022	9.83 flat per 100 CF	23.60	0
Ottumwa	25,175	Jul. 2022	6.00 flat per 100 CF	18.25	0
Pella	10,744	Jul. 2020	5.36 flat per 134 CF	21.42	0
Pleasant Hill	11,186	Jul. 2023	7.65 to 5.51 per 134 CF	12.82	0
Sioux City	85,497	Jul. 2023	5.79 flat per 100 CF over min.	15.45	200
Spencer	11,413	Jul. 2023	5.14 to 4.62 per 134 CF	38.03	0
Storm Lake	11,307	Jul. 2023	4.91 flat per 134 CF	25.54	0
Urbandale	46,648	Jul. 2021	5.05 flat per 134 CF	3.00	0
Waterloo	66,562	Jul. 2023	3.22 flat per 100 CF over min.	20.09	300
Waukee	29,167	Jul. 2023	12.04 flat per 134 CF over min.	15.94	134
Waverly	10,522	Jun. 2023	7.84 flat per 100 CF over min.	19.21	245
West Des Moines	70,741	Jul. 2021	6.35 flat per 134 CF	3.77	0

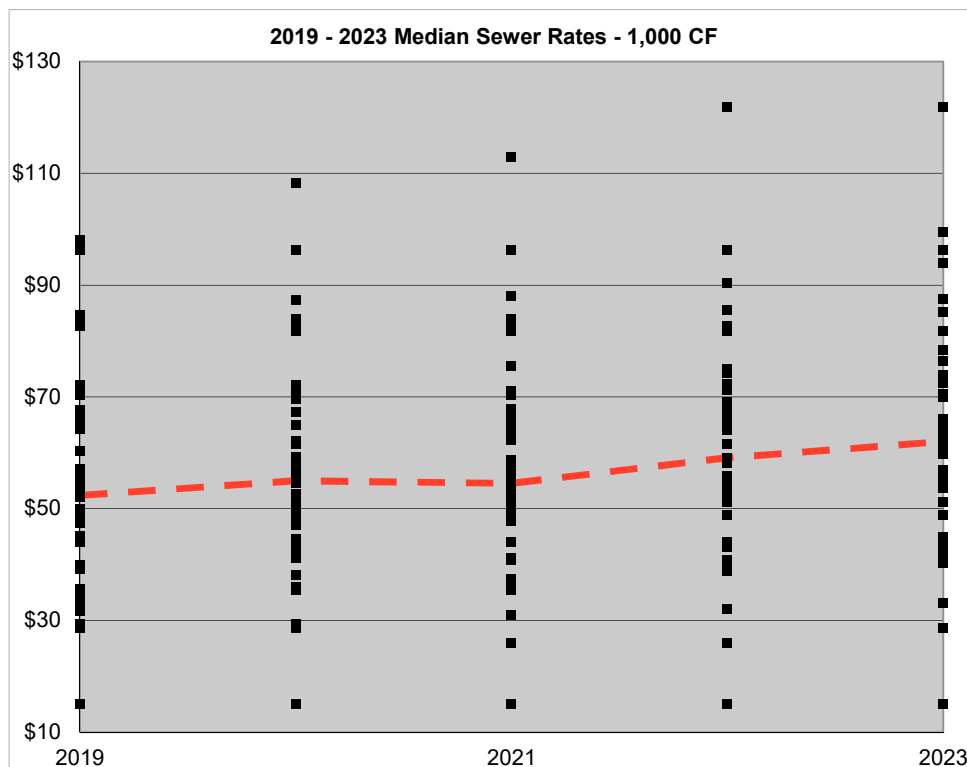
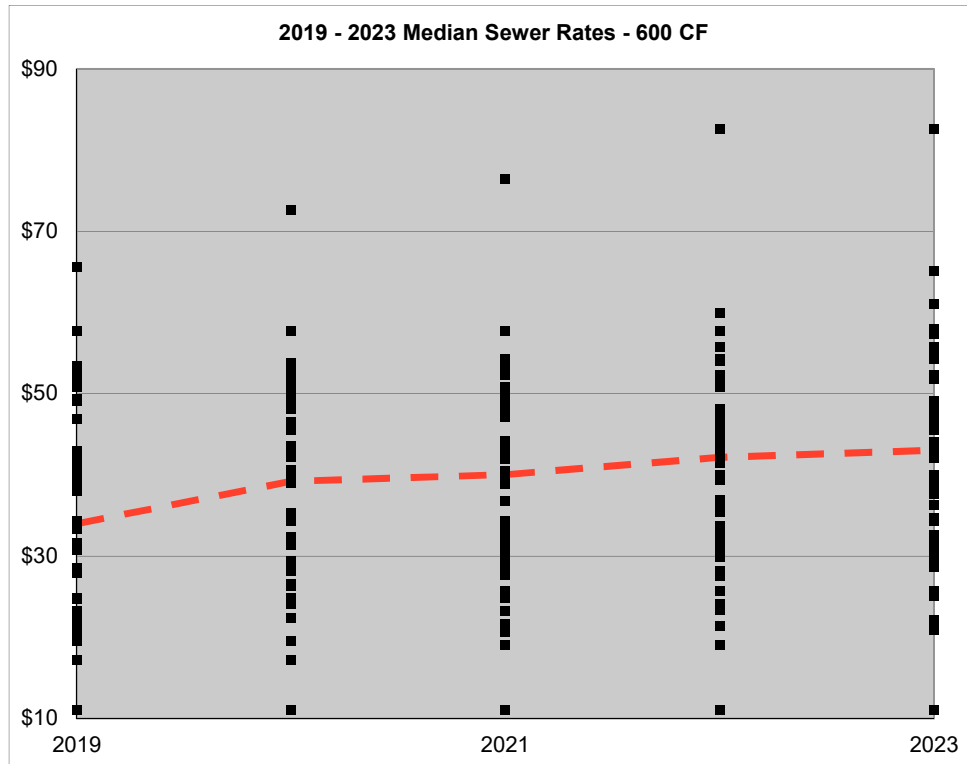
ø This amount is for 0 CF (residential) used. It includes any base rate, admin fee, availability fee, minimum monthly charge, etc.

Δ Davenport offers quarterly billing; minimum bill amount for 0 CF would be \$10.45/mo.

2023 SEWER RATE SURVEY
All Wastewater Plants
Iowa Cities (Population 10,000+)
Prepared by the City of Ames, Iowa

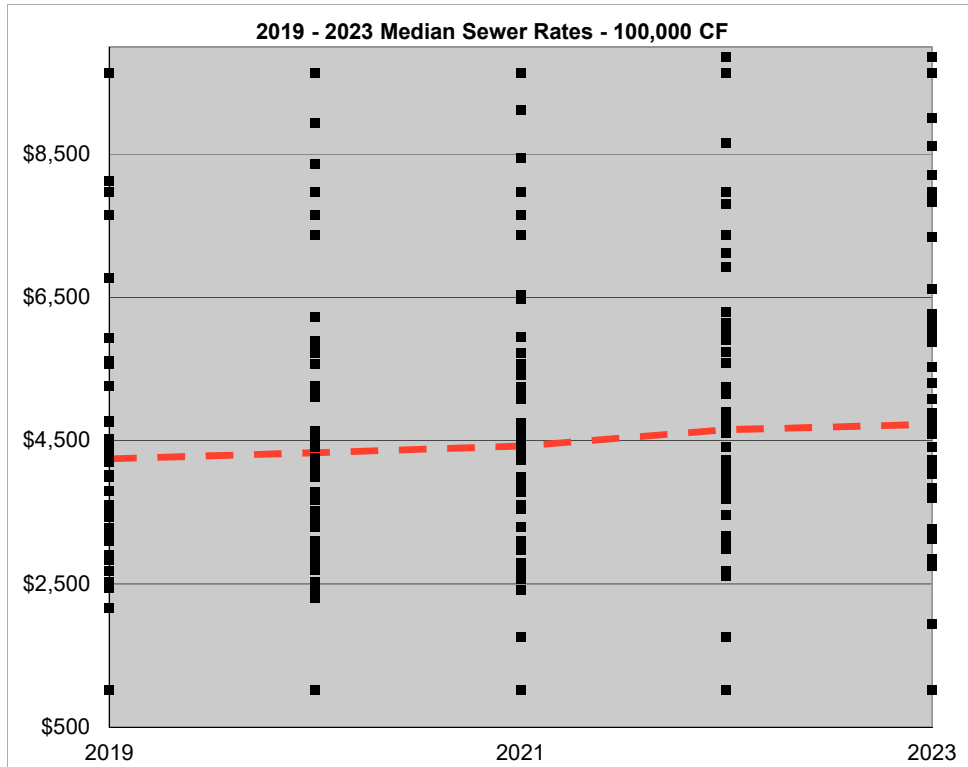
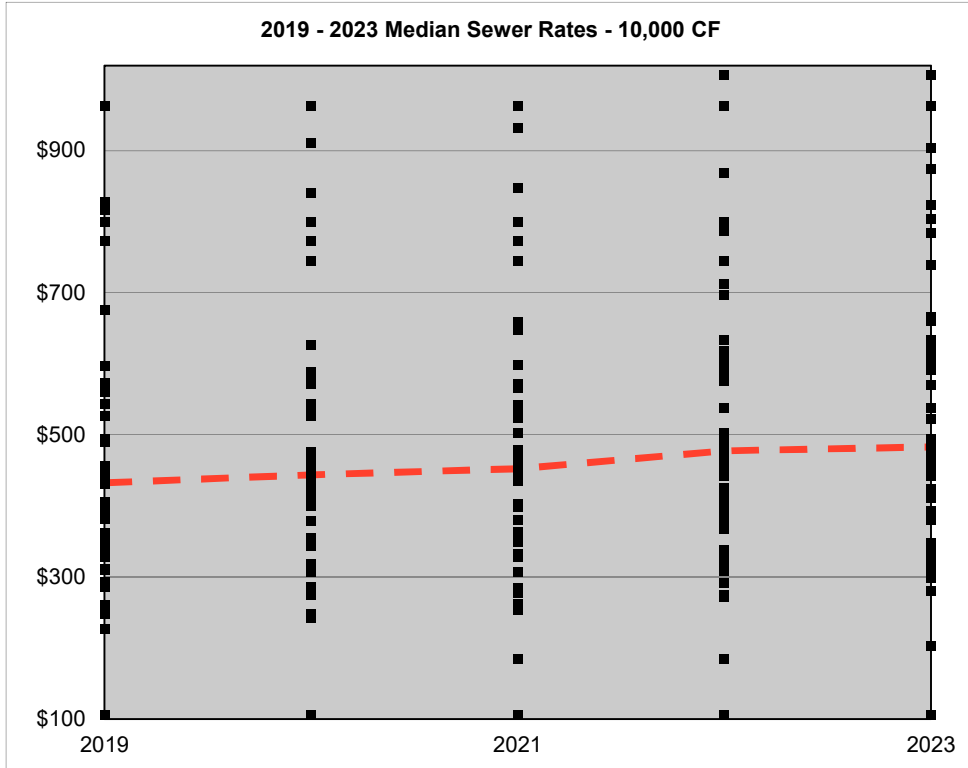
0 CF		600 CF		1,000 CF		10,000 CF		50,000 CF		100,000 CF	
Fort Dodge	41.93	Oskaloosa	82.58	Oskaloosa	121.90	Oskaloosa	1,006.60	Oskaloosa	4,939	Oskaloosa	9,854
Spencer	38.03	Indianola	65.11	Indianola	99.53	Clinton	963.00	Clinton	4,815	Clinton	9,630
Keokuk	33.42	Spencer	61.10	Spencer	96.30	Waukeke	904.55	Waukeke	4,507	Waukeke	9,010
Muscatine	33.28	Waukeke	57.94	Waukeke	93.97	Indianola	873.76	Indianola	4,315	Indianola	8,616
North Liberty	31.24	Clinton	57.78	Norwalk	87.60	Boone	824.09	Boone	4,108	Boone	8,213
Fort Madison	27.06	Burlington	57.35	Boone	85.19	Norwalk	803.93	Norwalk	3,988	Norwalk	7,967
Storm Lake	25.54	Norwalk	55.75	Burlington	81.89	Waverly	784.00	Waverly	3,920	Waverly	7,840
Indianola	25.00	Fort Madison	55.11	Altoona	78.46	Altoona	739.59	Altoona	3,678	Altoona	7,351
Cedar Falls	24.55	Ottumwa	54.25	Waverly	78.40	Des Moines	665.68	Des Moines	3,311	Des Moines	6,617
Marshalltown	24.23	Boone	52.35	Ottumwa	78.25	Grimes	661.28	Grimes	3,306	Grimes	6,613
Oskaloosa	23.60	Keokuk	51.82	Spencer	76.48	Burlington	633.95	Dubuque	3,134	Dubuque	6,269
Pella	21.42	Altoona	49.07	Keokuk	73.90	Dubuque	626.87	Burlington	3,088	Burlington	6,155
Cedar Rapids	21.28	Davenport	48.51	Fort Madison	73.82	Ottumwa	618.25	Ottumwa	3,018	Davenport	6,022
Burlington	20.55	North Liberty	48.13	Davenport	72.55	Davenport	613.45	Davenport	3,017	Ottumwa	6,018
Waterloo	20.09	Storm Lake	47.58	Des Moines	70.53	Marion	604.00	Marion	3,004	Marion	6,004
Waverly	19.21	Pleasant Hill	47.15	Pleasant Hill	70.05	Sioux City	591.82	Sioux City	2,941	Sioux City	5,874
Ottumwa	18.25	Waverly	47.04	Grimes	66.13	Keokuk	570.70	Keokuk	2,779	Keokuk	5,539
Ankeny	17.49	Ankeny	46.48	Ankeny	65.82	Johnston	538.04	Johnston	2,660	Johnston	5,311
Waukeke	15.94	Fort Dodge	45.69	North Liberty	65.02	Ankeny	522.53	Ankeny	2,535	Ankeny	5,090
Sioux City	15.45	Pella	45.48	Marion	64.00	Fort Madison	494.59	Newton	2,445	Newton	4,885
Newton	15.15	Des Moines	44.07	Dubuque	62.69	Newton	493.39	Clive	2,428	Clive	4,848
Altoona	14.82	Marshalltown	43.07	Storm Lake	62.27	Clive	487.27	West Des Moines	2,379	West Des Moines	4,754
Coralville	13.75	Muscatine	43.00	Sioux City	61.77	West Des Moines	478.78	Fort Madison	2,365	Fort Madison	4,702
Council Bluffs	13.69	Cedar Falls	42.15	Pella	61.52	Carroll	467.81	Carroll	2,304	Carroll	4,599
Pleasant Hill	12.82	Marion	40.00	Johnston	60.71	Pleasant Hill	467.80	Cedar Falls	2,216	Cedar Falls	4,416
Dubuque	12.54	Grimes	39.67	Cedar Falls	59.75	Cedar Falls	455.75	Coralville	2,205	Coralville	4,405
Davenport	12.45	Johnston	39.49	Fort Dodge	56.97	Coralville	444.95	North Liberty	2,131	North Liberty	4,237
Ames	12.16	Sioux City	38.61	Muscatine	55.96	North Liberty	442.23	Pleasant Hill	2,117	Council Bluffs	4,220
Mason City	11.35	Dubuque	37.61	Marshalltown	55.63	Spencer	424.75	Council Bluffs	2,110	Pleasant Hill	4,177
Clinton	9.63	Carroll	36.35	Carroll	54.71	Pella	422.38	Iowa City	2,039	Iowa City	4,074
Le Mars	9.36	Newton	34.67	Newton	54.19	Council Bluffs	422.00	Pella	2,026	Pella	4,031
Grimes	8.84	Clive	34.37	Clive	53.78	Iowa City	411.24	Bettendorf	1,922	Bettendorf	3,842
Carroll	8.81	Cedar Rapids	32.61	West Des Moines	51.27	Storm Lake	392.83	Urbandale	1,892	Spencer	3,788
Clive	8.49	West Des Moines	32.27	Coralville	48.95	Bettendorf	386.00	Spencer	1,886	Urbandale	3,781
Iowa City	8.31	Coralville	31.35	Iowa City	44.94	Urbandale	380.77	Storm Lake	1,862	Storm Lake	3,698
Norwalk	8.00	Ames	30.82	Cedar Rapids	43.94	Muscatine	347.56	Muscatine	1,644	Muscatine	3,264
Johnston	7.67	Waterloo	29.75	Ames	43.26	Marshalltown	338.23	Waterloo	1,620	Waterloo	3,230
Iowa Great Lakes Sanitary District	5.00										
Des Moines	4.40	Iowa City	28.66	Waterloo	42.63	Waterloo	332.43	Marshalltown	1,594	Marshalltown	3,164
Marion	4.00	Urbandale	25.66	Council Bluffs	42.20	Ames	323.16	Ames	1,567	Ames	3,122
West Des Moines	3.77	Council Bluffs	25.32	Urbandale	40.78	Fort Dodge	308.89	Fort Dodge	1,437	Cedar Rapids	2,848
Boone	3.09	Bettendorf	25.04	Bettendorf	40.40	Cedar Rapids	298.85	Cedar Rapids	1,432	Fort Dodge	2,843
Urbandale	3.00	Mason City	22.17	Mason City	33.17	Mason City	280.67	Mason City	1,381	Mason City	2,756
		Le Mars	20.95	Le Mars	28.68	Le Mars	202.54	Le Mars	975	Le Mars	1,941
Bettendorf	2.00	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	41.93	High	82.58	High	121.90	High	1,006.60	High	4,939	High	9,854
Median	14.29	Median	43.04	Median	62.02	Median	483.03	Median	2,372	Median	4,728
Low	2.00	Low	11.06	Low	15.10	Low	105.99	Low	510	Low	1,015

2023 SEWER RATE SURVEY
Median Sewer Rates
Historical Comparison 2019 - 2023
Iowa Cities (Population 10,000+)
Prepared by the City of Ames, Iowa



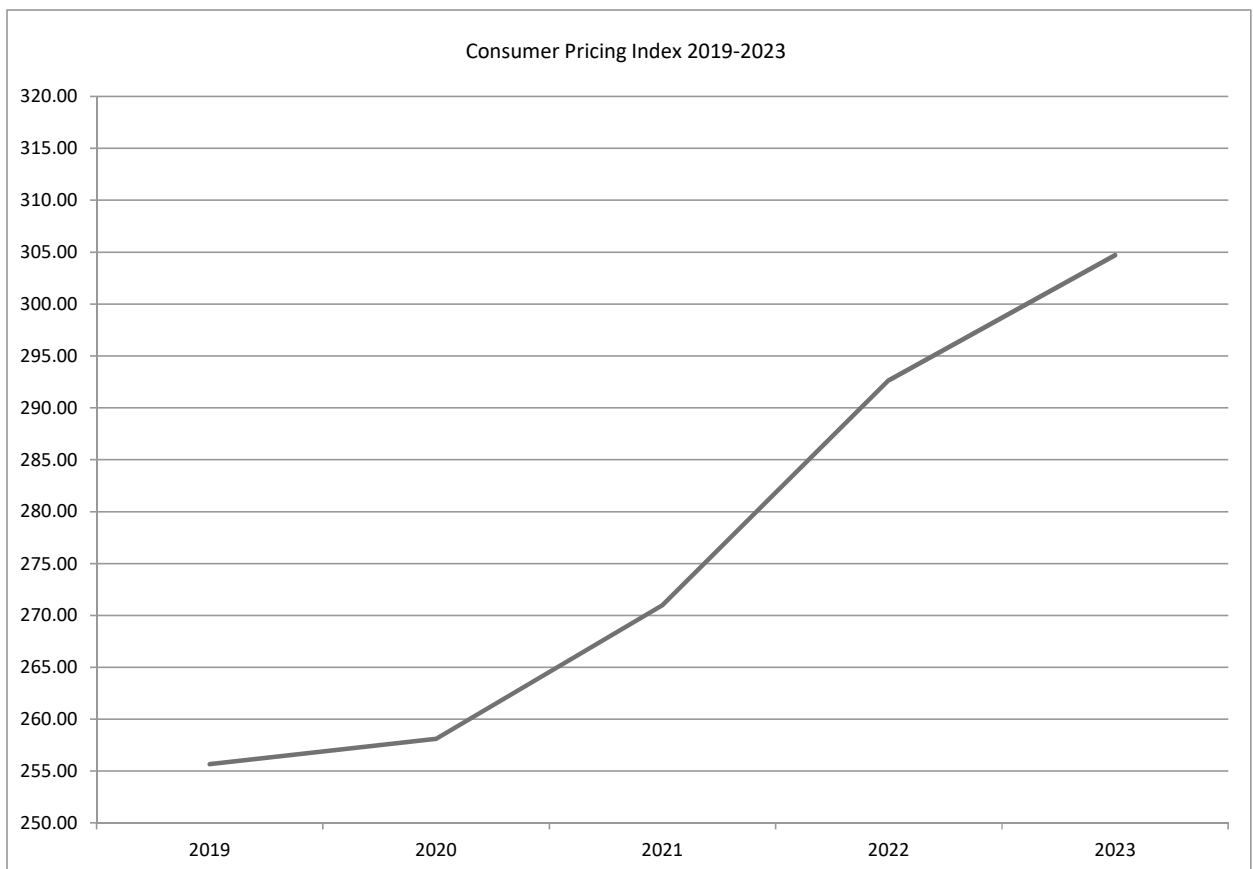
--- Median

2023 SEWER RATE SURVEY
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--- Median

2023 SEWER RATE SURVEY
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Iowa Cities (Population 10,000+)
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2023 SEWER RATE SURVEY
Projected Rate Increase Data
Iowa Cities (Population 10,000+)
Prepared by the City of Ames, IA

City	Projected Rate Increases			
	2024	2025	2026	2027
Altoona	--	--	--	--
Ames	7.0%	0.0%	9.0%	0.0%
Ankeny	--	--	--	--
Bettendorf	--	--	--	--
Boone	3.0%	3.0%	3.0%	3.0%
Burlington	--	--	--	--
Carroll	--	--	--	--
Cedar Falls	7.0%	7.0%	7.0%	--
Cedar Rapids	--	--	--	--
Clinton	--	--	--	--
Clive	--	--	--	--
Coralville	--	--	--	--
Council Bluffs	8.0%	8.0%	TBD	TBD
Davenport	5.0%	5.0%	TBD	TBD
Des Moines	5.0%	3.0%	3.0%	3.0%
Dubuque	--	--	--	--
Fort Dodge	--	--	--	--
Fort Madison	2.0%	--	--	--
Grimes	7.5%	7.5%	7.5%	TBD
Indianola	25.0%	0.0%	0.0%	0.0%
Iowa City	--	--	--	--
Iowa Great Lakes Sanitary District	--	--	--	--
Johnston	8.9%	--	--	--
Keokuk	--	--	--	--
Le Mars	--	--	--	--
Marion	--	--	--	--
Mashalltown	1.0%	--	--	--
Mason City	12.0%	9.0%	9.0%	9.0%
Muscatine	3.0%	3.0%	3.0%	3.0%
Newton	5.0%	5.0%	5.0%	5.0%
North Liberty	--	--	--	--
Norwalk	--	--	--	--
Oskaloosa	0.0%	3.0%	3.0%	3.0%
Ottumwa	--	--	--	--
Pella	--	--	--	--
Pleasant Hill	--	--	--	--
Sioux City	--	--	--	--
Spencer	2.5%	--	--	--
Storm Lake	7.0%	7.0%	7.0%	7.0%
Urbandale	--	--	--	--
Waterloo	--	--	--	--
Waukee	--	--	--	--
Waverly	2.5%	TBD	TBD	TBD
West Des Moines	--	--	--	--

2023 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. Study complete.	Currently, ~\$80M for nutrient and headworks improvements (over 12 years).
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 = \$1.47/lb.	Not required at this time.	--
Burlington	N	Y	Mississippi River	Domestic Septic: Rate Steps \$201-\$1,046/up to 4k gal.; Non-Domestic Septic: Rate Steps \$301-\$1,570/up to 4k gal.; Domestic FOG: Rate Steps \$78-\$1,036/up to 2k gal.; Non-Domestic FOG Rate Steps \$117-\$1,554/up to 2k gal.	--	--
Carroll	N	N	Unnamed Creek to Raccoon River	Not accepted	--	--
Cedar Falls	N	Y	Cedar River	--	Required. Study complete.	\$85M - \$113M (2019)
Cedar Rapids	N	Y	Cedar River	Septic: \$139.40/1,000 gal.; Portable Toilet Waste: \$112.97/1,000 gal.; Grease (FOG): \$197.87/1,000 gal.	Required. Study complete.	Nutrient Reduction Feasibility Study ~\$1.4M, 15 year phase plan for solids handling and nutrient reduction ~\$400M. O&M costs ~ \$2.5M reduction as phased plan is implemented over 15 years.
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.	--
Council Bluffs	N	Y	Missouri River	\$50.00/1,000 gal.	Required. Study not complete.	New study to be submitted by end of 2023. Previous review 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.	\$145M for capital and \$1M of O&M chemical cost annually to implement phosphorus.
Des Moines	Y	Y	Des Moines River	Domestic: \$143/1,000 gal.; Non-Domestic: \$214/1,000 gal.; FOG Rate: \$35/1,000 gal.	Not required at this time.	--
Dubuque	Y	Y	Mississippi River	--	--	--
Fort Dodge	N	Y	Des Moines River	>100mg/l = \$1.41/lb.	--	--
Fort Madison	N	Y	Mississippi River	TBD	--	--
Grimes	Y*	Y*	Little Beaver Creek	See DSM - WRA	--	--
Indianola	N	N	Cavitt Creek	Not accepted	Required. Study complete.	Feasibility study was done in conjunction with the design of our new wastewater facility.
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: TBD	--	--
Le Mars	N	N	Floyd River	>100 mg/l = \$0.6064/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.	To be completed in 2024. \$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.	Required. Study complete.	\$26.5M in improvements to be completed in FY2026.
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: \$605.10/1,000 gal.; Non-Domestic Grease: \$907.65/1,000 gal.; Domestic Septage: \$403.40/1,000 gal.; Non-Domestic Septage: \$605.10/1,000 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	--	--	--
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.	Wastewater Treatment Plant Improvements: \$6.7M
Pleasant Hill	Y*	Y*	Des Moines River	See DSM - WRA	--	--
Sioux City	Y	Y	Missouri River	Septage: \$43.73/load; Wastewater: \$160/1000 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.; Not Domestic: Additional \$20 flat surcharge fee	--	--
Waukeet	Y*	Y*	Sugar Creek	See DSM - WRA	--	--
Waverly	N	N	Cedar River	Domestic: \$50/1000 gal.; Non-Domestic: \$100/1000 gal.	Required. Study complete.	\$14.5 Million
West Des Moines	Y*	Y*	Raccoon River	See DSM - WRA	--	--

*Program administered by the DSM WRA

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 = \$0.89/lb.	N/A	>240 mg/l = \$0.40/lb.	N/A	N/A	N/A	N/A	>100 mg/l = \$1.47/lb.
Burlington	N/A	\$1.9268/lb.	N/A	\$1.6282/lb.	N/A	N/A	N/A	N/A	\$78-\$1,036/up to 2k gal.
Carroll	N/A	\$0.28/lb.	N/A	\$0.28/lb.	N/A	N/A	N/A	N/A	N/A
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	\$25/1,000 gal.
Cedar Rapids	N/A	N/A	>42 lbs./day = \$0.182/lb.	>52 lbs./day = \$0.169/lb.	N/A	>6 lbs./day = \$0.802/lb.	N/A	N/A	\$197.87/1,000 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 = \$0.17/lb.	>200 mg/l = \$0.17/lb.	>250 mg/l = \$0.20/lb.	>15 mg/l = \$0.49/lb.	>30 mg/l = \$0.49/lb.	N/A	N/A	>100 mg/L = \$0.10/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 = \$0.43/lb.	N/A	>250 mg/l = \$0.43/lb.	>20 mg/l = \$2.59/lb.	N/A	N/A	N/A	>100 mg/l = \$1.41/lb.
Fort Madison	\$0.40/lb.	\$0.81/lb.	N/A	\$0.85/lb.	>30 mg/l = \$2.57/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.	>50 mg/l = \$0.75/lb.	N/A	N/A	N/A	N/A
Indianola	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Iowa City	N/A	>300 mg/l = \$0.284 - \$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	\$0.11/lb.	\$0.23/lb.	N/A	\$0.22/lb.	N/A	N/A	\$2.00/lb	\$2.00/lb	N/A
Le Mars	N/A	N/A	>200 mg/l = \$0.2262/lb.	>240 mg/l = \$0.2936/lb.	N/A	\$1.003/lb.	N/A	N/A	>100 mg/l = \$0.6064/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 = \$0.612/lb.	N/A	>200 mg/l = \$0.367/lb.	N/A	>75 mg/l = \$0.398/lb.	N/A	N/A	\$135/1,000 gal.
Mason City	N/A	>300 mg/l = \$0.17/lb.	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 = \$0.565/lb.	N/A	>240 mg/l = \$0.63/lb.	>50 mg/l = \$4.84/lb.	N/A	N/A	N/A	\$605/10/1,000 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 = \$0.31 - \$0.618/lb.	N/A	>300 mg/l = \$0.127 - \$0.253/lb.	N/A	>100 mg/l = \$0.63 lbs/day	N/A	N/A	>100 mg/l = \$0.213/lb - \$0.427/lb.
Spencer	N/A	>250 mg/l = \$0.66/lb.	N/A	>300 mg/l = \$0.30/lb.	>30 mg/l = \$2.03/lb.	N/A	N/A	N/A	N/A
Storm Lake	N/A	>200 mg/l = \$0.58/lb.	N/A	>200 mg/l = \$0.46/lb.	>30 mg/l = \$2.18/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
Waukeee				See DSM - WRA					
Waverly	N/A	>40 lbs./day = \$7.08/lb.	N/A	>42 lbs./day = \$2.28/lb.	N/A	N/A	N/A	N/A	N/A
West Des Moines				See DSM - WRA					

2023 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	It's hard to get parts in a timely manner.	Fuel charges and the hourly cost of vendors. The general cost of equipment has increased.
Burlington	No response	No response
Carroll	No response	No response
Cedar Falls	None	Large construction projects around the area have been 30% above engineers estimates.
Cedar Rapids	No response	No response
Clinton	No response	No response
Clive	No response	No response
Coralville	None	None
Council Bluffs	Long lead times on some construction materials. Worst examples are associated with pump station controls that have delivery dates exceeding one year.	Variable. Highest increases are approximately 20%.
Davenport	Most everything electrical, mechanical and chemical is taking twice as long to receive if it can be ordered.	35% increase in top-end rebuilds for generators; 19% increase per year in polymer expenses.
Des Moines	None	None
Dubuque	No response	No response
Fort Dodge	No response	No response
Fort Madison	No response	No response
Grimes	No response	No response
Indianola	None	None
Iowa City	No response	No response
Johnston	None	None
Keokuk	No response	No response
Le Mars	No response	No response
Marion	No response	No response
Marshalltown	Electrical components for capital projects, specialized electrical equipment like VFD's and motor control center components.	None
Mason City	None	None
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 response	No response
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	None	None
West Des Moines	None	None