

2021 Water Rate Survey

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



2021 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. 2021	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. 2021	9.09	17.36	21.50	25.64	33.91	44.38	55.99	589.13	2,950	5,920	
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. 2021	21.32	21.32	21.32	21.32	21.32	24.95	30.47	261.86	944	1,693	
Cedar Rapids	Jul. 2021	14.79	19.84	22.36	24.89	29.93	34.98	40.03	280.01	1,323	2,626	
Clive § <i>dsm</i>	May 2021	0	7.99	15.98	15.98	31.96	39.95	55.93	591.26	2,988	5,977	
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. 2021	6.00	14.14	18.21	22.28	30.41	38.55	46.69	414.90	1,698	2,796	
Dubuque	Jul. 2021	7.88	7.88	11.82	15.76	23.65	31.53	39.42	350.16	1,592	2,971	
Fort Madison	Jan. 2021	10.59	19.99	24.68	29.38	38.77	48.17	57.57	428.85	1,757	3,247	
Grimes <i>dsm</i>	Jul. 2020	11.82	16.88	24.51	32.14	47.40	62.66	77.93	764.63	3,823	7,641	
Indianola	Jul. 2011	8.75	11.60	15.90	20.20	28.81	37.41	46.02	433.13	2,154	4,304	Residential
									451.58	2,247	4,491	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	Jul. 2020	15.51	15.51	16.28	18.65	23.40	28.14	32.88	258.96	1,184	2,339	
Marshalltown	Jul. 2021	9.38	14.52	17.09	19.66	24.80	29.94	35.08	268.43	1,311	2,610	Residential
		9.38	14.04	16.37	18.70	23.36	28.02	32.68	244.43	1,191	2,370	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. 2021	5.50	16.35	21.77	27.19	38.04	48.88	59.74	547.84	2,717	5,429	
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. 2021	13.73	21.35	25.16	28.97	36.59	44.21	51.83	401.00	1,792	3,223	
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. 2021	10.00	24.23	31.34	38.45	52.68	66.91	81.14	640.28	3,043	6,046	
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. 2021	14.53	14.53	17.77	21.02	27.53	34.04	40.55	333.41	1,635	3,262	Residential
									254.99	1,165	2,287	Commercial
Urbandale <i>dsm</i>	May 2021	4.50	13.51	18.01	22.51	31.52	40.52	49.54	457.83	2,276	4,563	
Waukee <i>dsm</i>	Jul. 2021	13.14	17.57	24.25	30.93	44.29	57.65	71.02	672.22	3,344	6,684	
West Des Moines	Jan. 2021	4.47	13.39	17.85	22.30	31.22	40.14	49.05	450.81	2,241	4,477	

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

2021 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. 2021	13.55	16.69	18.26	19.83	22.97	26.11	29.25	153.60	711	1,389	Residential
		13.55	18.15	20.45	22.75	27.35	31.95	36.55	155.50	681	1,288	Commercial
Coralville	Jul. 2011	7.00	7.00	8.80	10.60	14.20	17.80	21.40	183.40	903	1,803	Residential
		12.00	12.00	13.80	15.60	19.20	22.80	26.40	188.40	908	1,808	Commercial
Fort Dodge Δ	May 2021	20.76	20.76	20.76	20.76	31.34	36.63	47.21	302.82	1,234	2,252	
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. 2021	16.91	16.91	19.04	23.22	31.57	39.93	48.29	287.52	1,249	2,450	
Muscatine	Apr. 2021	15.32	17.67	18.84	20.01	22.36	24.70	27.05	132.60	602	1,188	Residential
		21.10	22.77	23.61	24.44	26.11	27.78	29.45	108.84	460	826	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. 2021	10.19	10.19	10.19	12.32	16.58	20.84	25.10	201.70	966	1,869	
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.

2021 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 Minumum 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	5.53 to 7.76/134 CF	9.09	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	4.49 to 3.69 to 2.92 to 2.35 to 1.86 to 1.70/134 CF	21.32	668
Cedar Falls	40,713	wells, chlorine	1.57 to 1.31 /100 CF	13.55	0
Cedar Rapids	137,710	wells, softening	2.5238 to 2.3903 to 2.0242 to 1.0629/100 CF	14.79	0
Clinton	24,469	See American Water Co. Line			
Clive	18,601	wells, river, softening	7.99 flat per 134 CF	0.00	0
Coralville	22,318	iron removal, filtration	1.80 flat per 100 CF over min.	7.00	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	3.882 to 2.611 to 2.005/100 CF	6.00	0
Dubuque	59,667	wells, softening	5.27 to 4.32 to 4.03 to 3.55 to 3.11/134 CF	7.88	200
Fort Dodge	24,871	iron removal, filtration	5.29 to 3.46 to 2.72 to 1.90 to 1.41/134 CF	20.76	268
Fort Madison	10,270	river, softening	6.28 to 5.64 to 4.55 to 3.62/134 CF	10.59	0
Grimes	15,392	wells, softening	10.20 flat per 134 CF	11.82	0
Indianola	15,833	wells, softening	5.75 flat per 134 CF over min.	8.75	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	3.17 to 3.09 to 2.56 to 2.18/134 CF over min.	15.51	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	2.57 flat per 100 CF	9.38	0
Mason City	27,338	wells, chlorine	4.179 to 3.551 to 2.403/100 CF	16.91	0
Muscatine	23,797	wells, chlorine	1.17 flat per 100 CF	15.32	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	7.25 flat per 134 CF	5.50	0
Oskaloosa	11,558	wells, softening	7.92 flat per 100 CF over min.	15.84	200
Ottumwa	25,529	river, softening	3.81 to 2.79 to 2.03/100 CF	13.73	0
Pella	10,464	wells, softening	4.82 flat per 134 CF	19.97	0
Pleasant Hill	10,147	wells, river, softening	9.51 to 8.03/134 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	4.35 flat per 134 CF over min.	14.53	200
Urbandale	45,580	wells, river, softening	6.02 flat per 134 CF	4.50	0
Waterloo	67,314	--	2.13 to 1.85 to 1.76 to 1.60/100 CF over min.	10.19	300
Waukee	23,940	wells, river, softening	8.93 flat per 134 CF over min.	13.14	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	5.96 flat per 134 CF	4.47	0

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

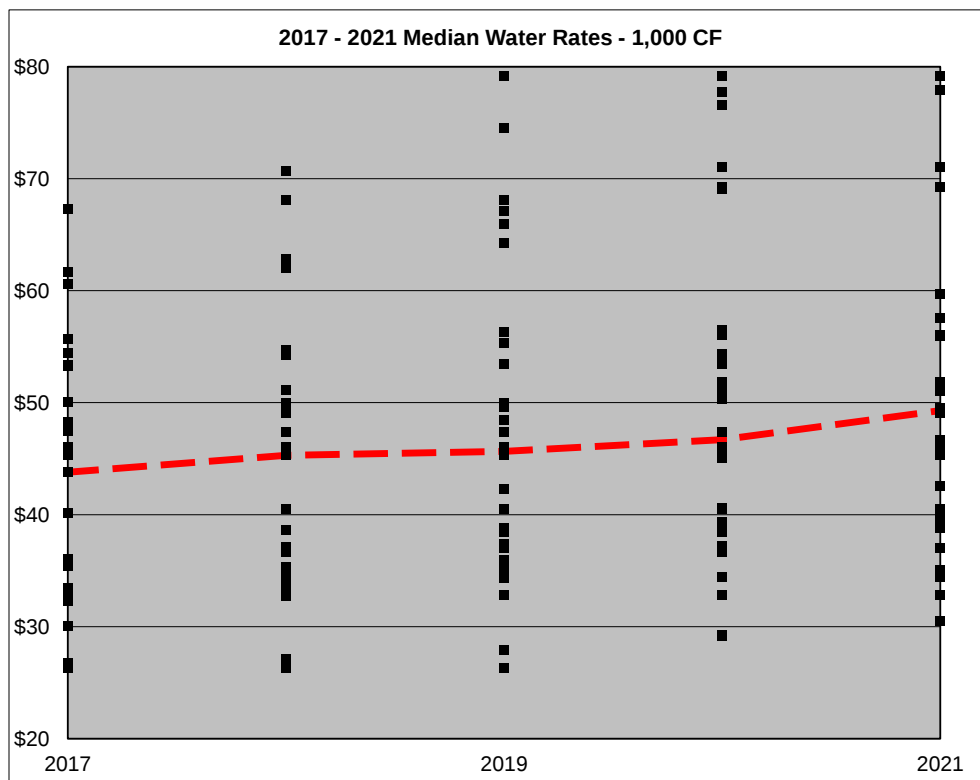
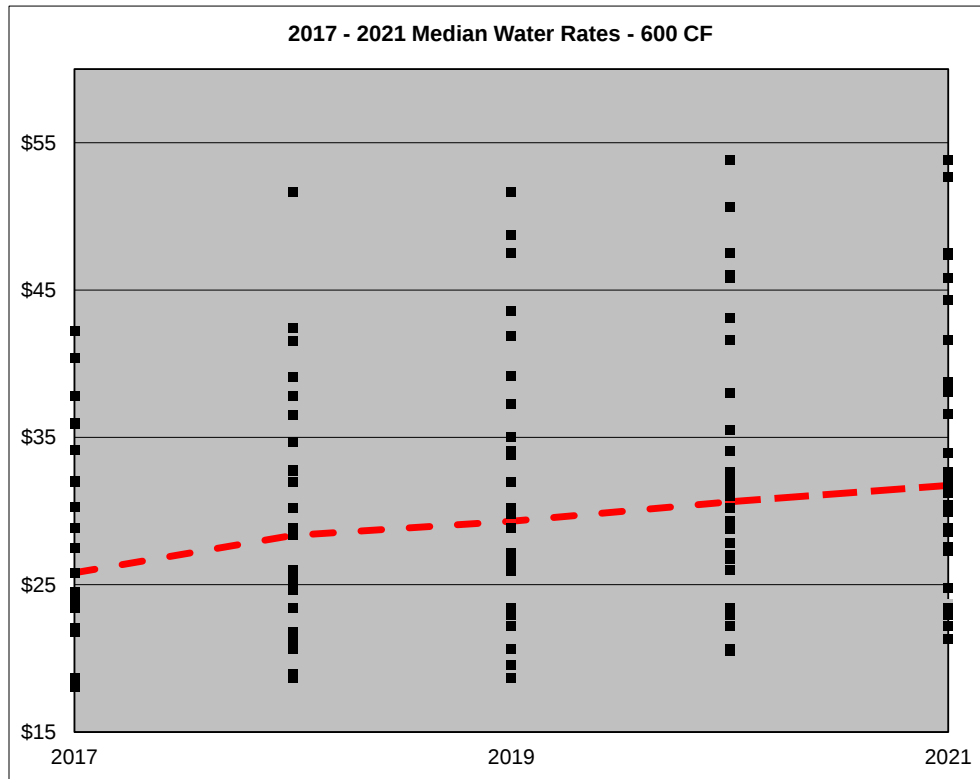
ø This amount is for 0 CF (residential) used. It includes any base rate, admin fee, availability fee, minimum monthly charge, etc.

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

2021 WATER RATE SURVEY
Softening Water Plants Only
Iowa Cities (Population 10,000+)
Prepared by the City of Ames, Iowa

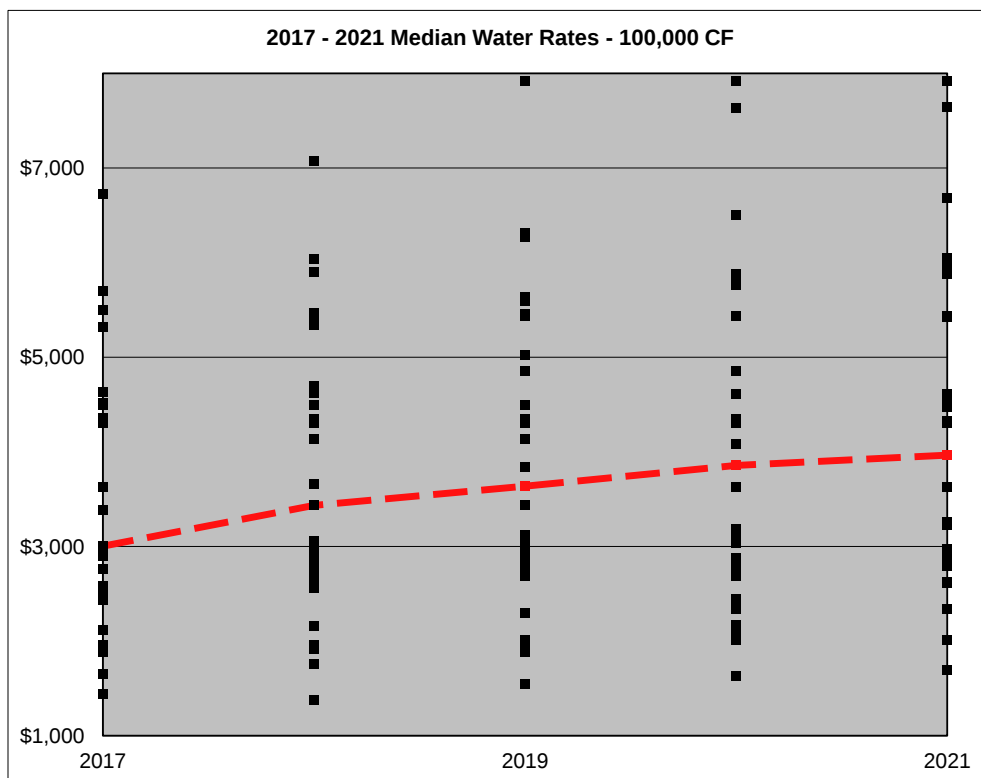
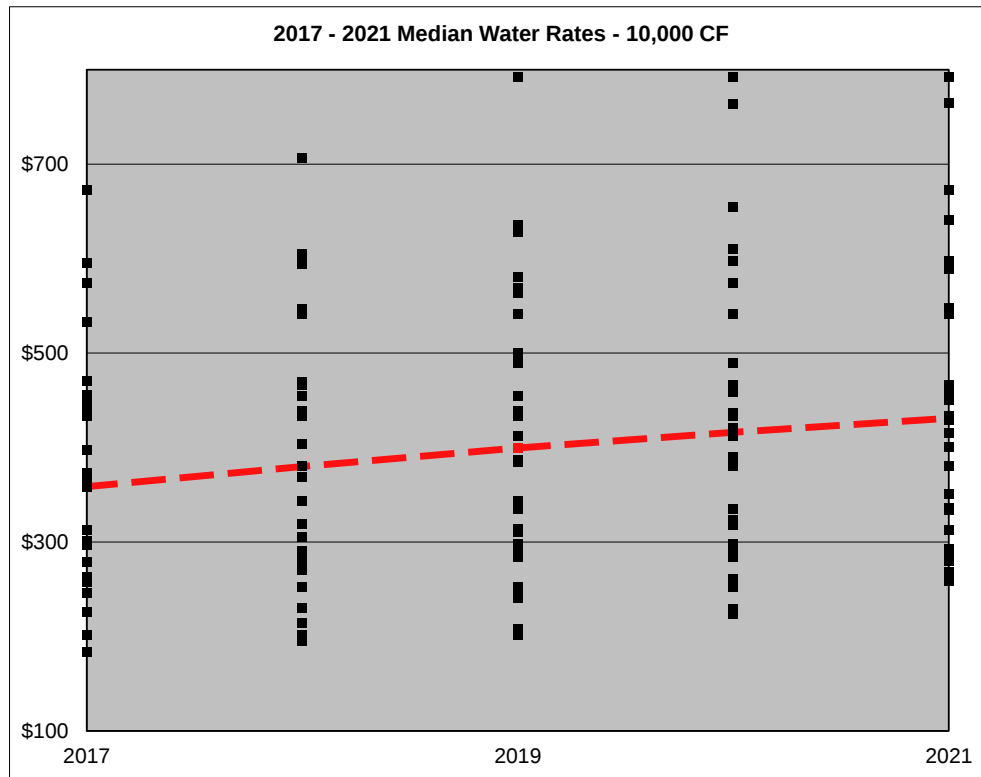
0 CF		600 CF		1,000 CF		10,000 CF		50,000 CF		100,000 CF	
Spencer	28.00	Spencer	53.81	Pleasant Hill	81.14	Oskaloosa	792.00	Oskaloosa	3,960	Oskaloosa	7,920
Burlington	21.32	Pleasant Hill	52.68	Oskaloosa	79.20	Grimes	764.63	Grimes	3,823	Grimes	7,641
Pella	19.97	Oskaloosa	47.52	Grimes	77.93	Waukee	672.22	Waukee	3,344	Waukee	6,684
Oskaloosa	15.84	Grimes	47.40	Spencer	71.02	Pleasant Hill	640.28	Pleasant Hill	3,043	Pleasant Hill	6,046
Keokuk	15.51	Johnston	45.80	Waukee	71.02	Johnston	597.78	Clive	2,988	Clive	5,977
Cedar Rapids	14.79	Waukee	44.29	Johnston	69.29	Clive	591.26	Ankeny	2,950	Ankeny	5,920
Storm Lake	14.53	Pella	41.60	Norwalk	59.74	Ankeny	589.13	Johnston	2,947	Johnston	5,883
Ottumwa	13.73	Fort Madison	38.77	Fort Madison	57.57	Norwalk	547.84	Boone	2,718	Boone	5,439
Council Bluffs	13.23	Norwalk	38.04	Pella	56.03	Boone	541.24	Norwalk	2,717	Norwalk	5,429
Ames	13.15	Ottumwa	36.59	Ankeny	55.99	Altoona	465.80	Altoona	2,309	Altoona	4,613
Waukee	13.14	Ankeny	33.91	Clive	55.93	Spencer	458.13	Urbandale	2,276	Urbandale	4,563
Boone	12.00	Altoona	32.65	Ottumwa	51.83	Urbandale	457.83	West Des Moines	2,241	West Des Moines	4,477
Grimes	11.82	Boone	31.98	Altoona	51.08	West Des Moines	450.81	Spencer	2,179	Spencer	4,329
Newton	11.45	Clive	31.96	Urbandale	49.54	Indianola	433.13	Indianola	2,154	Indianola	4,304
Altoona	11.16	Urbandale	31.52	West Des Moines	49.05	Fort Madison	428.85	Pella	1,823	Pella	3,626
Fort Madison	10.59	West Des Moines	31.22	Des Moines	46.69	Des Moines	414.90	Ottumwa	1,792	Storm Lake	3,262
Johnston	10.56	Des Moines	30.41	Indianola	46.02	Ottumwa	401.00	Fort Madison	1,757	Ames	3,257
Pleasant Hill	10.00	Cedar Rapids	29.93	Boone	45.30	Pella	380.53	Des Moines	1,698	Fort Madison	3,247
Marshalltown	9.38	Indianola	28.81	Iowa City	42.57	Dubuque	350.16	Storm Lake	1,635	Ottumwa	3,223
Ankeny	9.09	Ames	28.57	Storm Lake	40.55	Ames	336.27	Ames	1,629	Dubuque	2,971
Indianola	8.75	Storm Lake	27.53	Cedar Rapids	40.03	Storm Lake	333.41	Dubuque	1,592	Newton	2,876
Iowa City	8.19	Iowa City	27.29	Dubuque	39.42	Iowa City	313.12	Newton	1,441	Iowa City	2,821
Dubuque	7.88	Marshalltown	24.80	Ames	38.85	Newton	292.71	Iowa City	1,427	Des Moines	2,796
Des Moines	6.00	Dubuque	23.65	Council Bluffs	37.00	Council Bluffs	284.15	Cedar Rapids	1,323	Cedar Rapids	2,626
Norwalk	5.50	Keokuk	23.40	Marshalltown	35.08	Cedar Rapids	280.01	Marshalltown	1,311	Marshalltown	2,610
Urbandale	4.50	Newton	22.93	Newton	34.41	Marshalltown	268.43	Keokuk	1,184	Keokuk	2,339
West Des Moines	4.47	Council Bluffs	22.20	Keokuk	32.88	Burlington	261.86	Council Bluffs	1,162	Council Bluffs	2,012
Clive	0.00	Burlington	21.32	Burlington	30.47	Keokuk	258.96	Burlington	944	Burlington	1,693
High	28.00	High	53.81	High	81.14	High	792.00	High	3,960	High	7,920
Median	11.31	Median	31.74	Median	49.30	Median	430.99	Median	1,988	Median	3,965
Low	0.00	Low	21.32	Low	30.47	Low	258.96	Low	944	Low	1,693

2021 WATER RATE SURVEY
Median Water Rates
Historical Comparison 2017-2021
Iowa Cities (Population 10,000+)
 Prepared by the City of Ames, Iowa



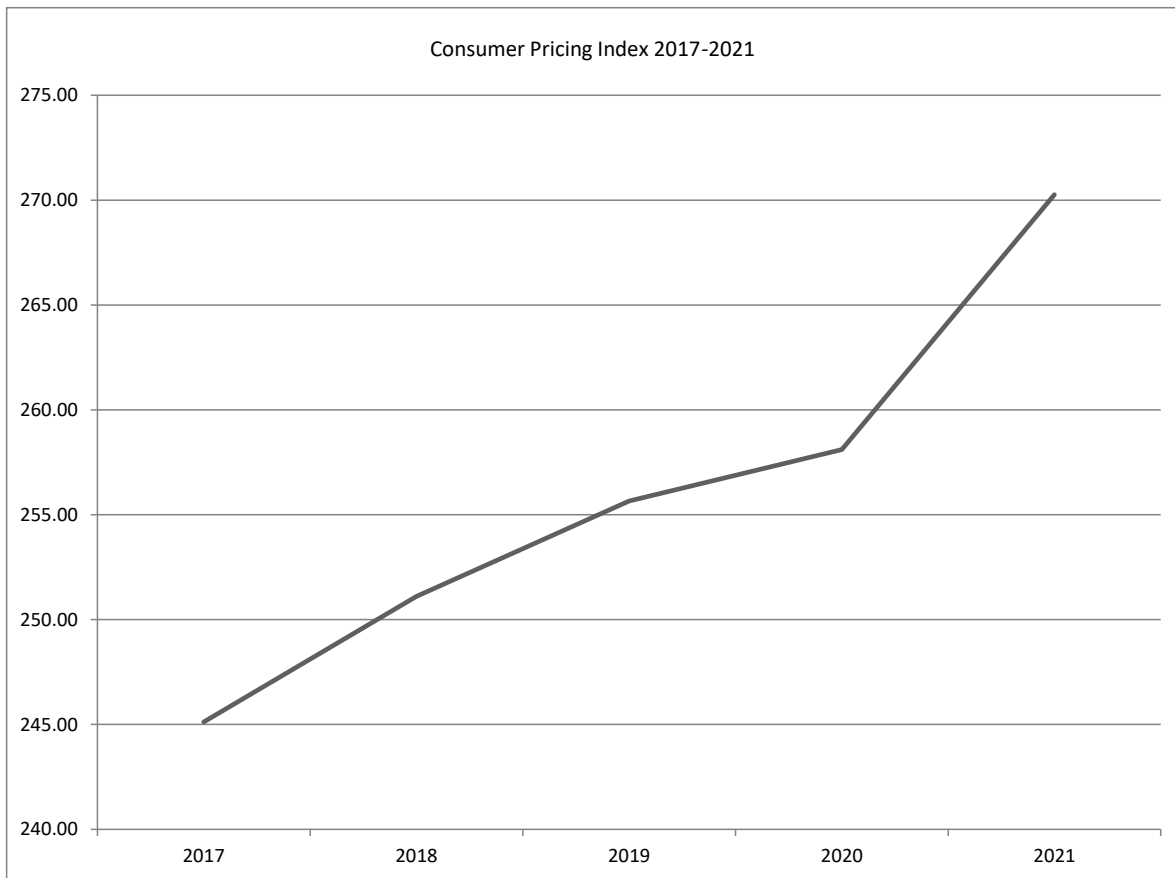
--- Median

2021 WATER RATE SURVEY
Median Water Rates
Historical Comparison 2017-2021
Iowa Cities (Population 10,000+)
 Prepared by the City of Ames, Iowa



--- Median

2021 WATER RATE SURVEY
Median Water Rates
Historical Comparison 2017-2021
Iowa Cities (Population 10,000+)
Prepared by the City of Ames, Iowa



2021 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): \$0.0257/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
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: \$7.99/1,000 gal. for residential, \$9.53/1,000 gal. for commercial	
Coralville	None	
Council Bluffs	None	
Des Moines	Wholesale rates to suburban communities: \$4.57/1,000 gallons for regular wholesale, \$2.68/1,000 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: \$6.00/1,000 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: \$2.63/100 CF	
Mason City	None	
Muscatine	None	
Newton	None	
North Liberty	None	
Norwalk	Over 15,000 gal./day = \$4.27/1000 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: \$7.02/1,000 gallons	
Waterloo	None	
Waukee	Irrigation Rate: \$10.93/1,000 gallons	
Waverly	None	
West Des Moines	Irrigation Rate: \$7.19/1,000 gallons	

2021 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			
		2022	2023	2024	2025
Altoona	Cambrian-Ordovician aquifer	--	--	--	--
American Water	Cambrian-Ordovician aquifers	--	--	--	--
Ames	Ames aquifer	2.0%	9.0%	2.0%	9.0%
Ankeny	DMWW (Des Moines and Raccoon Rivers)	9.0%	9.0%	8.5%	8.5%
Boone	Middle Des Moines River sand and gravel alluvial aquifer	--	--	--	--
Burlington	80% Mississippi River, 20% from 3 wells in the Pleistocene aquifer	4.0%	4.0%	4.0%	4.0%
Cedar Falls	Silurian-Devonian aquifer	--	--	--	--
Cedar Rapids	Cedar River	7.5%	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	5.0%	5.0%	3.0%	3.0%
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	--	--	--	--
Grimes	Sand and gravel of the Alluvial aquifer, sandstone and dolomite of the Cambrian-Ordovician aquifer*	--	--	--	--
Indianola	Cambrian-Jordan Sandstone aquifer	6.0%	--	--	--
Iowa City	Alluvial aquifer	--	--	--	--
Johnston	DMWW (Des Moines and Raccoon Rivers)	TBD	TBD	TBD	TBD
Keokuk	Mississippi River and its tributaries	5.0%	--	--	--
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	--	5.0%	--	5.0%
North Liberty	Jordan and Silurian aquifers	2.0%	2.0%	2.0%	0.0%
Norwalk	DMWW, Alluvial and Cambrian-Ordovician aquifer	7.5%	7.0%	7.0%	7.0%
Oskaloosa	Alluvial wells located on the South Skunk River	2.0%	5.0%	5.0%	5.0%
Ottumwa	Des Moines River and the Ottumwa Reservoir*	3.0%	3.0%	3.0%	3.0%
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)	--	--	--	--
Waterloo	Cedar Valley and alluvial aquifers	2.0%	2.0%	2.0%	2.0%
Waukee	Des Moines Water Works (Des Moines/Raccoon Rivers)	3.5%	3.5%	3.5%	3.5%
Waverly	Groundwater wells that draw water from the Silurian-Devonian aquifer	0.0%	0.0%	2.5%	0.0%
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)

2021 WATER RATE SURVEY
Projected Rate Increases
Iowa Cities (Population 10,000+)
Prepared by the City of Ames, Iowa

2022		2023		2024		2025	
Ankeny	9.0%	Ames	9.0%	Ankeny	8.5%	Ames	9.0%
Cedar Rapids	7.5%	Ankeny	9.0%	Norwalk	7.0%	Ankeny	8.5%
Norwalk	7.5%	Norwalk	7.0%	Council Bluffs	5.0%	Norwalk	7.0%
Indianola	6.0%	Coralville	5.0%	Oskaloosa	5.0%	Newton	5.0%
Coralville	5.0%	Newton	5.0%	Burlington	4.0%	Oskaloosa	5.0%
Council Bluffs	5.0%	Oskaloosa	5.0%	Waukeke	3.5%	Burlington	4.0%
Keokuk	5.0%	Burlington	4.0%	Clive	3.0%	Waukeke	3.5%
Burlington	4.0%	Waukeke	3.5%	Coralville	3.0%	Clive	3.0%
Waukeke	3.5%	Clive	3.0%	Ottumwa	3.0%	Coralville	3.0%
Clive	3.0%	Ottumwa	3.0%	Storm Lake	3.0%	Ottumwa	3.0%
Ottumwa	3.0%	Storm Lake	3.0%	Waverly	2.5%	Storm Lake	3.0%
Storm Lake	3.0%	North Liberty	2.0%	Ames	2.0%	Waterloo	2.0%
Ames	2.0%	Waterloo	2.0%	North Liberty	2.0%	Council Bluffs	0.0%
North Liberty	2.0%	Council Bluffs	0.0%	Waterloo	2.0%	North Liberty	0.0%
Oskaloosa	2.0%	Waverly	0.0%	Cedar Rapids	TBD	Waverly	0.0%
Waterloo	2.0%	Cedar Rapids	TBD	Des Moines	TBD	Cedar Rapids	TBD
Waverly	0.0%	Des Moines	TBD	Johnston	TBD	Des Moines	TBD
Des Moines	TBD	Johnston	TBD	Marshalltown	TBD	Johnston	TBD
Johnston	TBD	Marshalltown	TBD	West Des Moines	TBD	Marshalltown	TBD
Marshalltown	TBD	West Des Moines	TBD	Altoona	--	West Des Moines	TBD
West Des Moines	TBD	Altoona	--	American Water	--	Altoona	--
Altoona	--	American Water	--	Boone	--	American Water	--
American Water	--	Boone	--	Cedar Falls	--	Boone	--
Boone	--	Cedar Falls	--	Dubuque	--	Cedar Falls	--
Cedar Falls	--	Dubuque	--	Fort Dodge	--	Dubuque	--
Dubuque	--	Fort Dodge	--	Fort Madison	--	Fort Dodge	--
Fort Dodge	--	Fort Madison	--	Grimes	--	Fort Madison	--
Fort Madison	--	Grimes	--	Indianola	--	Grimes	--
Grimes	--	Indianola	--	Iowa City	--	Indianola	--
Iowa City	--	Iowa City	--	Keokuk	--	Iowa City	--
Le Mars	--	Keokuk	--	Le Mars	--	Keokuk	--
Marion	--	Le Mars	--	Marion	--	Le Mars	--
Mason City	--	Marion	--	Mason City	--	Marion	--
Muscatine	--	Mason City	--	Muscatine	--	Mason City	--
Newton	--	Muscatine	--	Newton	--	Muscatine	--
Pella	--	Pella	--	Pella	--	Pella	--
Pleasant Hill	--	Pleasant Hill	--	Pleasant Hill	--	Pleasant Hill	--
Sioux City	--	Sioux City	--	Sioux City	--	Sioux City	--
Spencer	--	Spencer	--	Spencer	--	Spencer	--
Urbandale	--	Urbandale	--	Urbandale	--	Urbandale	--
MEDIAN	3.5%	MEDIAN	3.5%	MEDIAN	3.0%	MEDIAN	3.0%

2021 WATER RATE SURVEY
COVID-19 Pandemic Financial Measures
Iowa Cities (Population 10,000+)
Prepared by the City of Ames, Iowa

City	DECREASED Rates (from previously planned)	INCREASED Rates (from previously planned)	Temporarily laid off staff (furloughed)	Permanently laid off staff (reduction in force)	Reduced travel & training	Reduced association memberships	Dropped/ delayed capital projects	Other
Ames								Personal sick time may be used for sick family members.
Ankeny					Implemented			
Boone							Considering	
Cedar Rapids			Implemented		Implemented			
Clive					Implemented			
Coralville					Implemented		Implemented	
Council Bluffs					Implemented	Considering	Considering	
Des Moines					Implemented			
Fort Dodge								Long term payment plans offered for those whom lost job or were ill during COVID.
Indianola					Implemented	Considering	Implemented	
Keokuk					Implemented		Implemented	
Newton					Implemented		Implemented	
Norwalk					Implemented			Delayed utility rate increases from 7/1/2020 to 1/1/2021.
Ottumwa				Implemented				
Storm Lake					Implemented		Implemented	
West Des Moines					Implemented			Adjustments were made to disconnection for nonpayment rules.

2021 Sewer Rate Survey

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



2021 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. 2021	13.74	18.08	24.61	31.15	44.23	57.30	70.38	658.80	3,274	6,543
Ames	Jul. 2020	11.58	17.50	20.46	23.42	29.34	35.26	41.18	307.58	1,492	2,972
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. 2021	2.00	9.10	12.65	16.20	23.30	30.40	37.50	357.00	1,777	3,552
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. 2021	16.98	27.11	32.17	37.24	47.36	57.49	67.63	523.41	2,549	5,081
Cedar Falls	Jul. 2021	21.44	21.44	25.28	29.12	36.80	44.48	52.16	397.76	1,934	3,854
Cedar Rapids	Jul. 2021	18.07	18.07	20.48	22.88	27.69	32.51	37.32	253.85	1,216	2,419
Clinton	Jul. 2019	9.63	19.26	28.89	38.52	57.78	77.04	96.30	963.00	4,815	9,630
Clive S	May 2021	8.16	14.38	20.60	20.60	33.04	39.26	51.70	468.44	2,334	4,661
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	May 2021	12.50	12.50	12.50	14.40	21.60	28.80	36.00	360.00	1,800	3,600
Davenport	Jul. 2021	20.97	31.87	37.32	42.77	53.67	64.57	75.47	565.97	2,746	5,471
Des Moines	Jul. 2021	4.40	16.28	22.22	28.16	40.03	51.91	63.80	598.35	2,974	5,944
Dubuque	Jul. 2021	10.85	10.85	16.27	21.70	32.54	43.39	54.24	542.33	2,712	5,423
Fort Dodge Δ	May 2021	40.30	40.30	40.30	40.30	43.74	47.18	54.06	284.54	1,317	2,603
Fort Madison	Jul. 2021	26.01	35.01	39.51	44.02	53.02	62.02	71.03	476.19	2,277	4,528
Grimes	Jul. 2020	7.65	11.45	17.17	22.89	34.33	45.78	57.23	572.26	2,861	5,723
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. 2021	6.46	15.38	19.83	24.29	33.21	42.12	51.05	452.30	2,236	4,465
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. 2021	4.00	12.78	17.17	21.56	30.34	39.12	47.90	443.00	2,199	4,394
Marshalltown	Jan. 2018	23.75	29.91	32.99	36.07	42.23	48.39	54.55	331.75	1,564	3,104
Mason City	Jul. 2021	10.60	10.60	12.99	15.56	20.69	25.83	30.96	261.99	1,289	2,572
Muscatine †	Jul. 2021	31.27	31.27	31.27	34.33	40.45	46.57	52.69	328.09	1,552	3,082
Newton	Jul. 2021	13.81	13.81	18.23	22.65	31.49	40.33	49.17	446.97	2,215	4,425
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	Jan. 2021	7.50	22.81	30.46	38.11	53.41	68.72	84.03	772.76	3,834	7,660
Oskaloosa	Mar. 2021	21.85	40.05	49.15	58.25	76.45	94.65	112.85	931.85	4,572	9,122
Ottumwa	Jul. 2021	16.90	28.00	33.55	39.10	50.20	61.30	72.40	571.90	2,792	5,567
Pella	Jul. 2021	23.13	31.79	36.12	40.45	49.12	57.78	66.44	456.25	2,189	4,354
Pleasant Hill	Jul. 2021	11.41	21.60	26.69	31.79	41.97	52.16	62.36	435.34	2,006	3,970
Sioux City	Jul. 2021	12.32	12.32	16.94	21.55	30.79	40.02	49.25	471.93	2,345	4,684
Spencer ‡	Jul. 2020	25.93	28.44	32.22	36.01	43.58	51.15	58.72	363.42	1,444	2,794
Storm Lake	Jul. 2020	22.73	29.27	32.54	35.81	42.34	48.88	55.42	349.63	1,657	3,292
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. 2020	16.75	16.75	16.75	19.43	24.79	30.15	35.51	276.71	1,349	2,689
Waukee	Jul. 2021	14.95	20.55	28.99	37.44	54.33	71.22	88.12	848.21	4,226	8,449
Waverly	Jun. 2021	15.88	15.88	19.44	25.92	38.88	51.84	64.80	648.00	3,240	6,480
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.

S Clive rounds down to the nearest 1,000 gallons

† Muscatine's sewer rate includes a monthly Collection & Drainage charge of \$13.15/month.

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

‡ Spencer's sewer rate includes a monthly CSI Surcharge of \$16.25/month.

2021 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. 2021	8.74 flat per 134 CF	13.74	0
Ames	66,427	Jul. 2020	2.96 flat per 100 CF	11.58	0
Ankeny	67,887	Jul. 2021	6.66 flat per 134 CF	18.03	0
Bettendorf	39,102	Apr. 2021	3.55 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. 2021	6.77 flat per 134 CF	16.98	0
Cedar Falls	40,713	Jul. 2021	3.84 flat per 100 CF over min.	21.44	200
Cedar Rapids	137,710	Jul. 2021	2.4059 flat per 100 CF over min.	18.07	200
Clinton	24,469	Jul. 2019	9.63 flat per 100 CF over min.	9.63	100
Clive	18,601	May 2021	6.22 flat per 134 CF	8.16	0
Coralville	22,318	Jul. 2019	4.40 flat per 100 CF over min.	13.75	200
Council Bluffs	62,799	May 2021	3.60 flat per 100 CF over min.	12.50	300
Davenport Δ	101,724	Jul. 2021	5.45 flat per 100 CF	20.97	0
Des Moines	214,133	Jul. 2021	7.94 flat per 134 CF	4.40	0
Dubuque	59,667	Jul. 2021	7.25 flat per 134 CF over min.	10.85	200
Fort Dodge	24,871	Jan. 2021	3.44 flat per 134 CF over min.	40.30	400
Fort Madison	10,270	Jul. 2021	6.018 flat per 134 CF	26.01	0
Grimes	15,392	Jul. 2020	7.65 flat per 134 CF	7.65	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. 2021	5.96 flat per 134 CF	6.46	0
Keokuk	9,900	Jul. 2019	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. 2021	4.39 flat per 100 CF	4.00	0
Marshalltown	27,591	Jan. 2018	3.08 flat per 100 CF	23.75	0
Mason City	27,338	Jul. 2021	2.567 flat per 100 CF	10.60	0
Muscatine	23,797	Jul. 2021	3.06 flat per 100 CF over min.	31.27	300
Newton	15,760	Jul. 2021	4.42 flat per 100 CF over min.	13.81	200
North Liberty	20,479	Jul. 2020	5.63 flat per 134 CF over min.	31.24	134
Norwalk	12,799	Jan. 2021	10.23 flat per 134 CF	7.50	0
Oskaloosa	11,558	Mar. 2021	9.10 flat per 100 CF	21.85	0
Ottumwa	25,529	Jul. 2021	5.55 flat per 100 CF	16.90	0
Pella	10,464	Jul. 2021	5.79 flat per 134 CF	23.13	0
Pleasant Hill	10,147	Jul. 2021	6.81 to 5.25 per 134 CF	11.41	0
Sioux City	85,797	Jul. 2021	4.617 flat per 100 CF over min.	12.32	200
Spencer	11,325	Jul. 2020	5.06 to 3.61/134 CF over min.	25.93	134
Storm Lake	11,269	Jul. 2021	4.37 flat per 134 CF	22.73	0
Urbandale	45,580	Jul. 2021	5.05 flat per 134 CF	3.00	0
Waterloo	67,314	Jul. 2020	2.68 flat per 100 CF over min.	16.75	300
Waukee	23,940	Jul. 2021	11.29 flat per 134 CF over min.	14.95	134
Waverly	10,394	Jun. 2021	6.48 flat per 100 CF over min.	15.88	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.

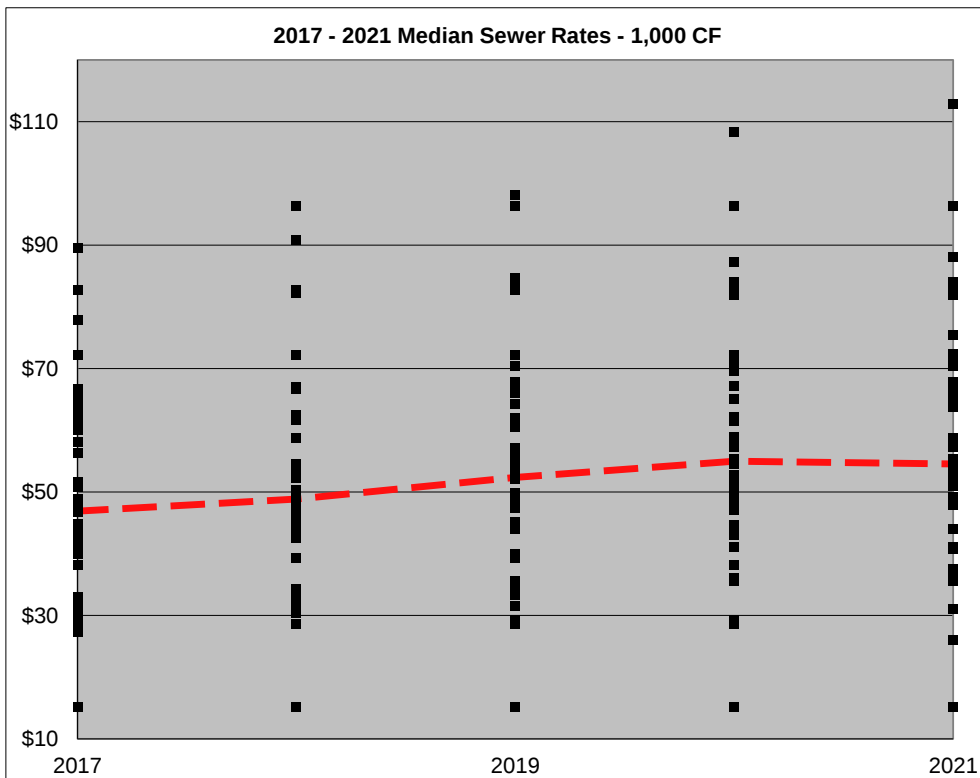
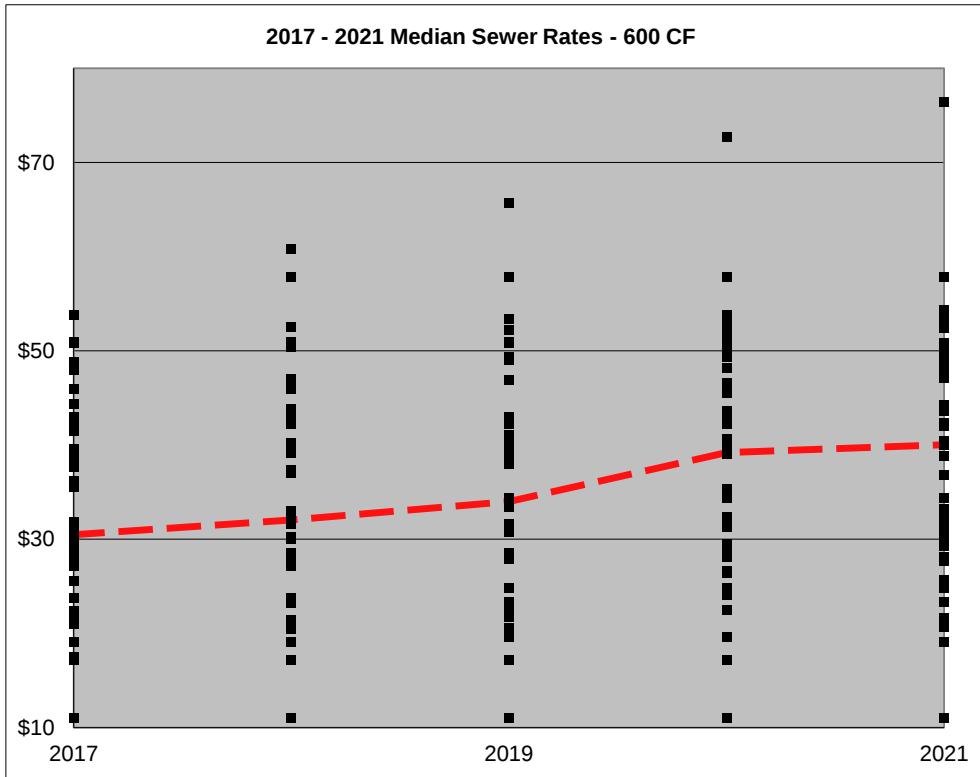
Δ Davenport offers quarterly billing; minimum bill amount for 0 CF would be \$9.49.

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

2021 SEWER RATE SURVEY
All Wastewater Plants
Iowa Cities (Population 10,000+)
Prepared by the City of Ames, Iowa

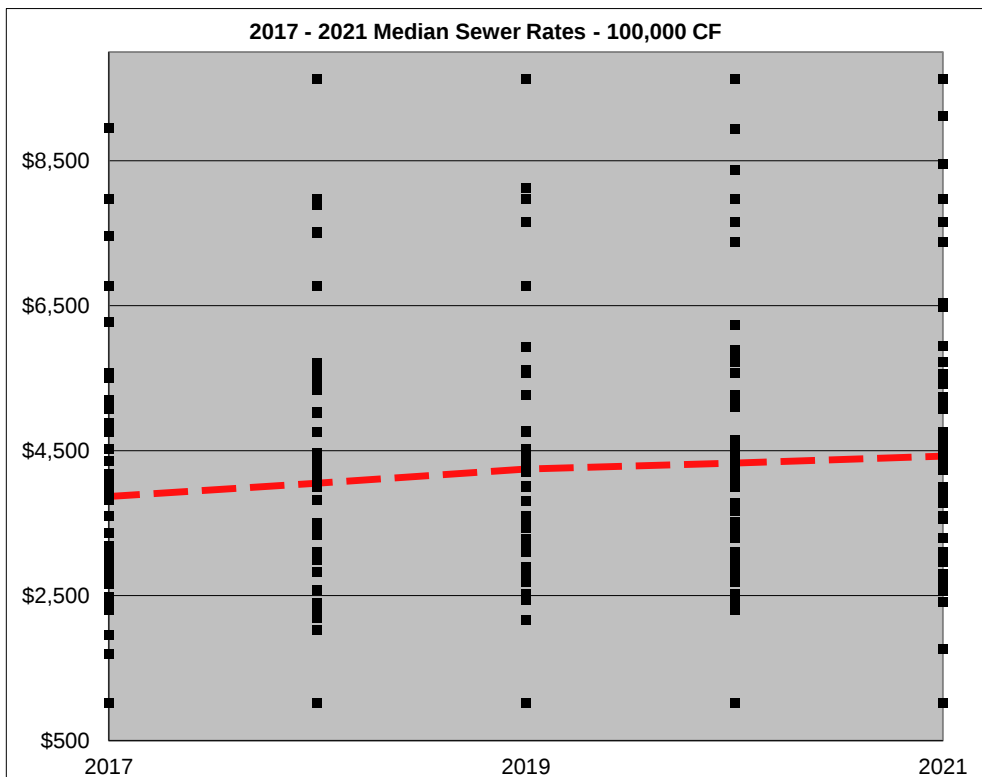
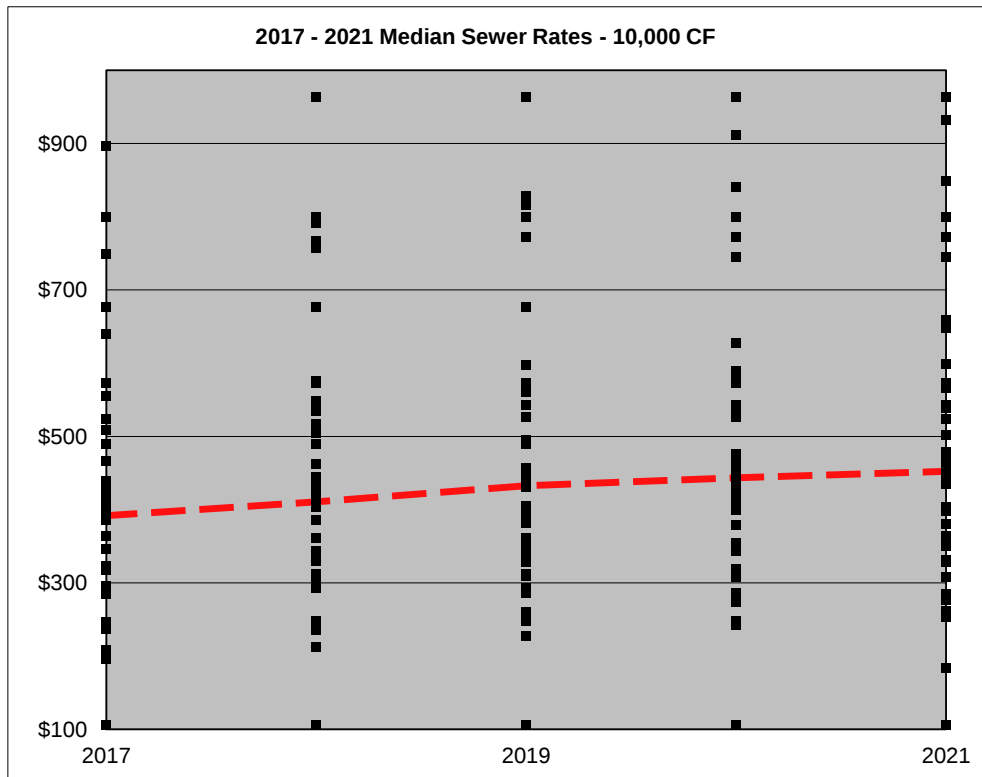
0 CF		600 CF		1,000 CF		10,000 CF		50,000 CF		100,000 CF	
Fort Dodge	40.30	Oskaloosa	76.45	Oskaloosa	112.85	Clinton	963.00	Clinton	4,815	Clinton	9,630
Muscatine	31.27	Clinton	57.78	Clinton	96.30	Oskaloosa	931.85	Oskaloosa	4,572	Oskaloosa	9,122
North Liberty	31.24	Waukee	54.33	Waukee	88.12	Waukee	848.21	Waukee	4,226	Waukee	8,449
Keokuk	30.38	Davenport	53.67	Norwalk	84.03	Boone	800.00	Boone	3,988	Boone	7,973
Fort Madison	26.01	Norwalk	53.41	Boone	82.70	Norwalk	772.76	Norwalk	3,834	Norwalk	7,660
Spencer	25.93	Fort Madison	53.02	Indianola	81.84	Indianola	744.98	Indianola	3,692	Indianola	7,376
Marshalltown	23.75	Indianola	52.36	Davenport	75.47	Altoona	658.80	Altoona	3,274	Altoona	6,543
Pella	23.13	Boone	50.82	Ottumwa	72.40	Waverly	648.00	Waverly	3,240	Waverly	6,480
Storm Lake	22.73	Ottumwa	50.20	Fort Madison	71.03	Des Moines	598.35	Des Moines	2,974	Des Moines	5,944
Oskaloosa	21.85	Pella	49.12	Altoona	70.38	Grimes	572.26	Grimes	2,861	Grimes	5,723
Cedar Falls	21.44	North Liberty	48.13	Ankeny	67.85	Ottumwa	571.90	Ottumwa	2,792	Ottumwa	5,567
Davenport	20.97	Ankeny	47.92	Burlington	67.63	Davenport	565.97	Davenport	2,746	Davenport	5,471
Cedar Rapids	18.07	Burlington	47.36	Keokuk	67.18	Dubuque	542.33	Dubuque	2,712	Dubuque	5,423
Ankeny	18.03	Keokuk	47.11	Pella	66.44	Ankeny	538.70	Ankeny	2,614	Ankeny	5,247
Indianola	18.00	Altoona	44.23	North Liberty	65.02	Burlington	523.41	Keokuk	2,567	Keokuk	5,148
Burlington	16.98	Fort Dodge	43.74	Waverly	64.80	Keokuk	502.00	Burlington	2,549	Burlington	5,081
Ottumwa	16.90	Spencer	43.58	Des Moines	63.80	West Des Moines	478.78	West Des Moines	2,379	West Des Moines	4,754
Waterloo	16.75	Storm Lake	42.34	Pleasant Hill	62.36	Fort Madison	476.19	Sioux City	2,345	Sioux City	4,684
Waverly	15.88	Marshalltown	42.23	Spencer	58.72	Sioux City	471.93	Clive	2,334	Clive	4,661
Waukee	14.95	Pleasant Hill	41.97	Grimes	57.23	Clive	468.44	Fort Madison	2,277	Fort Madison	4,528
Newton	13.81	Muscatine	40.45	Storm Lake	55.42	Pella	456.25	Johnston	2,236	Johnston	4,465
Coralville	13.75	Des Moines	40.03	Marshalltown	54.55	Johnston	452.30	Newton	2,215	Newton	4,425
Altoona	13.74	Waverly	38.88	Dubuque	54.24	Newton	446.97	Coralville	2,205	Coralville	4,405
Council Bluffs	12.50	Cedar Falls	36.80	Fort Dodge	54.06	Coralville	444.95	Marion	2,199	Marion	4,394
Sioux City	12.32	Grimes	34.33	Muscatine	52.69	Marion	443.00	Pella	2,189	Pella	4,354
Ames	11.58	Johnston	33.21	Cedar Falls	52.16	North Liberty	442.23	North Liberty	2,131	North Liberty	4,237
Pleasant Hill	11.41	Clive	33.04	Clive	51.70	Pleasant Hill	435.34	Pleasant Hill	2,006	Iowa City	3,994
Dubuque	10.85	Dubuque	32.54	West Des Moines	51.27	Iowa City	403.16	Iowa City	1,999	Pleasant Hill	3,970
Mason City	10.60	West Des Moines	32.27	Johnston	51.05	Cedar Falls	397.76	Cedar Falls	1,934	Cedar Falls	3,854
Clinton	9.63	Newton	31.49	Sioux City	49.25	Urbandale	380.77	Urbandale	1,892	Urbandale	3,781
Le Mars	8.51	Coralville	31.35	Newton	49.17	Spencer	363.42	Council Bluffs	1,800	Council Bluffs	3,600
Clive	8.16	Sioux City	30.79	Coralville	48.95	Council Bluffs	360.00	Bettendorf	1,777	Bettendorf	3,552
Iowa City	8.15	Marion	30.34	Marion	47.90	Bettendorf	357.00	Storm Lake	1,657	Storm Lake	3,292
Grimes	7.65	Ames	29.34	Iowa City	44.06	Storm Lake	349.63	Marshalltown	1,564	Marshalltown	3,104
Norwalk	7.50	Iowa City	28.10	Ames	41.18	Marshalltown	331.75	Muscatine	1,552	Muscatine	3,082
Johnston	6.46	Cedar Rapids	27.69	Urbandale	40.78	Muscatine	328.09	Ames	1,492	Ames	2,972
Iowa Great Lakes Sanitary District	5.00	Urbandale	25.66	Bettendorf	37.50	Ames	307.58	Spencer	1,444	Spencer	2,794
Des Moines	4.40	Waterloo	24.79	Cedar Rapids	37.32	Fort Dodge	284.54	Waterloo	1,349	Waterloo	2,689
Marion	4.00	Bettendorf	23.30	Council Bluffs	36.00	Waterloo	276.71	Fort Dodge	1,317	Fort Dodge	2,603
West Des Moines	3.77	Council Bluffs	21.60	Waterloo	35.51	Mason City	261.99	Mason City	1,289	Mason City	2,572
Boone	3.00	Mason City	20.69	Mason City	30.96	Cedar Rapids	253.85	Cedar Rapids	1,216	Cedar Rapids	2,419
Urbandale	3.00	Le Mars	19.05	Le Mars	26.07	Le Mars	184.12	Le Mars	887	Le Mars	1,765
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	40.30	High	76.45	High	112.85	High	963.00	High	4,815	High	9,630
Median	13.75	Median	40.03	Median	54.55	Median	452.30	Median	2,215	Median	4,425
Low	2.00	Low	11.06	Low	15.10	Low	105.99	Low	510	Low	1,015

2021 SEWER RATE SURVEY
Median Sewer Rates
Historical Comparison 2017-2021
Iowa Cities (Population 10,000+)
 Prepared by the City of Ames, Iowa



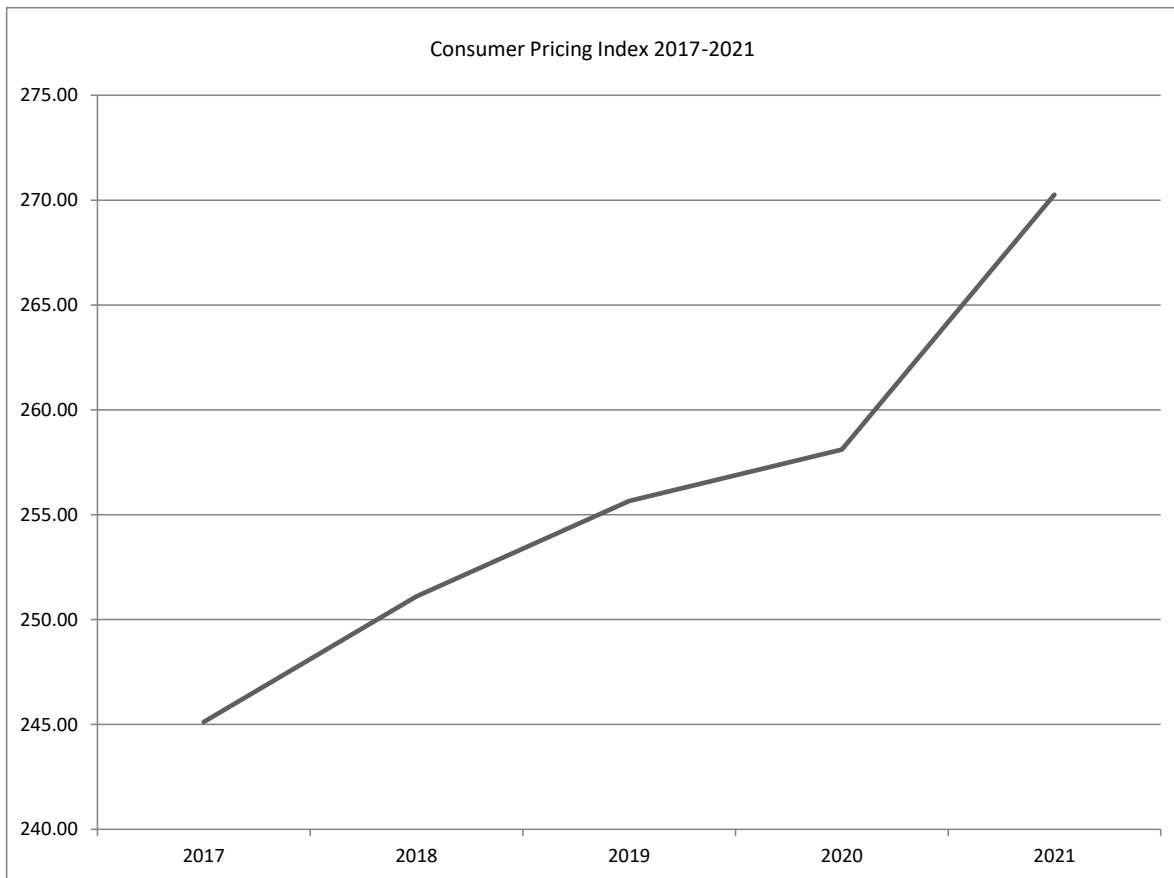
--- Median

2021 SEWER RATE SURVEY
Median Sewer Rates
Historical Comparison 2017-2021
Iowa Cities (Population 10,000+)
 Prepared by the City of Ames, Iowa



--- Median

2021 SEWER RATE SURVEY
Median Sewer Rates
Historical Comparison 2017-2021
Iowa Cities (Population 10,000+)
Prepared by the City of Ames, Iowa



2021 SEWER RATE SURVEY
Projected Rate Increase Data
Iowa Cities (Population 10,000+)
Prepared by the City of Ames, IA

City	Projected Rate Increases			
	2022	2023	2024	2025
Altoona	--	--	--	--
Ames	5.0%	0.0%	8.0%	0.0%
Ankeny	--	--	--	--
Bettendorf	--	--	--	--
Boone	--	--	--	--
Burlington	10.0%	10.0%	TBD	TBD
Cedar Falls	--	--	--	--
Cedar Rapids	5.0%	TBD	TBD	TBD
Clinton	--	--	--	--
Clive	--	--	--	--
Coralville	5.0%	5.0%	3.0%	3.0%
Council Bluffs	8.0%	8.0%	8.0%	8.0%
Davenport	TBD	TBD	TBD	TBD
Des Moines	3.0%	3.0%	3.0%	3.0%
Dubuque	--	--	--	--
Fort Dodge	--	--	--	--
Fort Madison	2.0%	2.0%	2.0%	2.0%
Grimes	--	--	--	--
Indianola	--	--	--	--
Iowa City	--	--	--	--
Iowa Great Lakes Sanitary District	--	--	--	--
Johnston	TBD	TBD	TBD	TBD
Keokuk	--	--	--	--
Le Mars	--	--	--	--
Marion	--	--	--	--
Mashalltown	1.0%	1.0%	1.0%	--
Mason City	--	--	--	--
Muscatine	3.0%	TBD	TBD	TBD
Newton	5.0%	5.0%	--	--
North Liberty	0.0%	0.0%	0.0%	0.0%
Norwalk	--	--	--	--
Oskaloosa	8.0%	6.0%	4.0%	4.0%
Ottumwa	7.0%	--	--	--
Pella	--	--	--	--
Pleasant Hill	--	--	--	--
Sioux City	4.5%	--	--	--
Spencer	--	--	--	--
Storm Lake	--	--	--	--
Urbandale	--	--	--	--
Waterloo	--	--	--	--
Waukee	--	--	--	--
Waverly	10.0%	4.0%	5.5%	2.5%
West Des Moines	--	--	--	--

2021 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: \$8.65/Load + \$4.17/100 gal.; Restaurants: \$57.32/Load + \$3.35/100 gal.; Non-Domestic: \$8.65/Load + unit rate TBD	Not required at this time.	~\$40mil.
Ankeny	Y*	Y*	Four Mile Creek	See DSM - WRA	--	--
Bettendorf	N	N	Mississippi River at Davenport WWTP	Not accepted	Required. Study complete.	Cost to implement unknown.
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 \$183-\$958/up to 4k gal.; Non-Domestic Septic: Rate Steps \$275-\$1,437/up to 4k gal.; Domestic FOG: Rate Steps \$72-\$949/up to 2k gal.; Non-Domestic FOG Rate Steps \$108-\$1,423/up to 2k gal.	Required. Study complete.	EOC for Capital (design and construction): \$5.9M; Annual O&M: \$0.3M
Cedar Falls	N	Y	Cedar River	TBD	Required. Study complete.	Cost to implement range from \$80 - 200M+. Most likely option to implement will be \$120M.
Cedar Rapids	N	Y	Cedar River	Septic: \$118.42/1,000 gal.; Portable Toilet Waste: \$95.96/1,000 gal.; Grease (FOG): \$168.08/1,000 gal.	Required. Study complete.	Beginning design of improvements to sewer treatment plant. Phased project (2021 - 2037) infrastructure replacement/new technology ~ \$400 million
Clinton	Y	Y	Beaver Slough/Mississippi River	Not accepted	Required. Study not complete.	--
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	\$30.00/1,000 gal.	Required. Study not complete.	Estimated at approximately \$50 Million.
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: \$150.20/1,000 gal.; Non-Domestic: \$225.30/1,000 gal.; FOG Rate: \$17.70/1,000 gal.	Not required at this time.	--
Dubuque	Y	Y	Mississippi River	Septic: \$100/1,000 gal.; Grit Trap: \$150/1,000 gal.; Domestic FOG: \$50/1,000 gal.; Non-Domestic FOG: \$75/1,000 gal.; High Strength: \$30-\$60/1,000 gal (negotiated)	Required. Study complete.	MLE modifications to activate sludge: \$1,750,000 (Projected); Struvite Recovery Facilities: \$3,900,000 (Projected); ANNAMOX Facilities: \$6,100,000 (Projected)
Fort Dodge	N	Y	Des Moines River	>100mg/l = \$1.29/lb.	Required. Study complete.	No limits; compliance schedule per USW
Fort Madison	N	Y	Mississippi River	TBD	Required. Study complete.	Upgrade entire WW&P over a 3 year period at a cost of \$16.1M
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.	Required. Study not complete.	--
Iowa Great Lakes Sanitary District	--	--	Millford 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 = \$0.55/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.	Required. Study complete.	Approximately \$7-10 Million.
Muscatine	Y	Y	Mississippi River	Domestic \$30/1,000 gal.; Non-Domestic: \$60/1,000 gal.	Required. Study complete.	--
Newton	Y	N	Sewer Creek to S. Skunk River	Domestic Grease: \$548.84/1,000 gal.; Non-Domestic Grease: \$823.26/1,000 gal.; Domestic Septage: \$365.89/1,000 gal.; Non-Domestic Septage: \$548.84/1,000 gal.; Min Grease/Septage Load: 100 gal.	Not required. Study complete.	Capital cost of \$11.8M - \$48.3M; Annual Operating Cost of \$1.2M - \$3.7M; 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	Domestic: \$16.90/mo., user charge rate: \$5.55/100 CF; 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.	Engineering: \$606,200; Wastewater Treatment Plant Improvements: \$6,047,930
Pleasant Hill	Y*	Y*	Des Moines River	See DSM - WRA	--	--
Sioux City	Y	Y	Missouri River	Septage: \$39.67/load; Wastewater: \$153/1000 lbs.	--	--
Spencer	N	N	Little Sioux River	Not accepted	--	--
Storm Lake	N	N	Raccoon River	Not accepted	Not required at this time.	--
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	Required. Study almost complete.	Cost to implement unknown.
Waukeke	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

2021 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 = \$0.17/lb.	N/A	>250 mg/l = \$0.46/lb.	>300 mg/l = \$0.68/lb.	>30 mg/l = \$1.64/lb.	>45 mg/l = \$1.06/lb.	N/A	N/A	>300 mg/l = \$0.91/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	\$1.5924/lb.	N/A	\$1.3456/lb.	N/A	N/A	N/A	N/A	\$72-\$949/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 = \$0.1638/lb.	>52 lbs./day = \$0.1424/lb.	N/A	>6 lbs./day = \$0.6753/lb.	N/A	N/A	\$168.08/1,000 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 = \$0.39/lb.	N/A	>250 mg/l = \$0.39/lb.	>20 mg/l = \$2.37/lb.	N/A	N/A	N/A	>100 mg/l = \$1.29/lb.
Fort Madison	\$0.38/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 = \$0.60/lb.	N/A	>200 mg/l = \$0.367/lb.	N/A	>75 mg/l = \$0.39/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 = \$0.512/lb.	N/A	>240 mg/l = \$0.571/lb.	>50 mg/l = \$4.39/lb.	N/A	N/A	N/A	\$548.84/1,000 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 = \$0.345/lb.	N/A	>300 mg/l = \$0.382/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 = \$0.283 - \$0.567/lb.	N/A	>300 mg/l = \$0.116 - \$0.232/lb.	N/A	>100 mg/l = \$0.4 lbs/day	N/A	N/A	>100 mg/l = \$0.196/lb - \$0.391/lb.
Spencer	N/A	>250 mg/l = \$0.61/lb.	N/A	>300 mg/l = \$0.28/lb.	>30 mg/l = \$1.89/lb.	N/A	N/A	N/A	N/A
Storm Lake	N/A	>200 mg/l = \$0.51/lb.	N/A	>200 mg/l = \$0.41/lb.	>30 mg/l = \$1.94/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	>42 lbs./day = \$32.59	N/A	>42 lbs./day = \$22.29	N/A	N/A	N/A	N/A	N/A
West Des Moines				See DSM - WRA					

2021 SEWER RATE SURVEY
COVID-19 Pandemic Financial Measures
Iowa Cities (Population 10,000+)
Prepared by the City of Ames, Iowa

City	DECREASED Rates (from previously planned)	INCREASED Rates (from previously planned)	Temporarily laid off staff (furloughed)	Permanently laid off staff (reduction in force)	Reduced travel & training	Reduced association memberships	Dropped/delayed capital projects	Other
Ames								Personal sick time may be used for sick family members.
Boone							Considering	
Cedar Rapids			Implemented		Implemented			Work from home for those not directly operating or maintaining plant, dropped construction activities and closed facilities to public and contractors.
Coralville					Implemented		Implemented	
Davenport		Considering						
Des Moines			Implemented		Implemented			
Indianola								For 1.5 months we alternated days with staff to minimize contact. After that we were back to full staff working normal hours. All in-person classes were canceled so we attended Zoom class to keep our DNR certifications.
Keokuk					Implemented			
Storm Lake					Implemented		Implemented	