

2020 Water Rate Survey

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



2020 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	Jan. 2020	11.16	14.22	18.82	23.43	32.65	41.86	51.08	465.80	2,309	4,613	Residential
									465.80	2,309	4,613	Commercial
Ames	Jul. 2020	12.40	17.26	19.69	22.12	26.98	31.84	36.70	317.62	1,538	3,077	
Ankeny <i>dsm</i>	Apr. 2020	8.83	16.42	20.21	24.00	31.58	41.19	51.84	541.57	2,710	5,439	
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. 2020	20.50	20.50	20.50	20.50	20.50	23.99	29.31	251.94	908	1,629	
Cedar Rapids	Jul. 2020	13.76	18.46	20.80	23.15	27.85	32.54	37.24	260.47	1,230	2,443	
Clive § <i>dsm</i>	May 2020	0	7.76	15.52	15.52	31.04	38.80	54.32	574.24	2,902	5,804	
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. 2020	6.00	13.76	17.65	21.53	29.29	35.38	40.61	229.14	1,045	2,071	
Dubuque	Jul. 2019	7.66	7.66	11.51	15.36	23.06	30.76	38.46	335.30	1,511	2,796	
Fairfield	Jan. 2020	9.56	21.04	26.78	32.52	44.00	55.48	66.96	534.90	2,442	4,513	
Fort Madison	Jan. 2020	10.38	19.60	24.20	28.81	38.03	47.24	56.46	420.48	1,722	3,184	
Grimes <i>dsm</i>	Jan. 2020	10.49	15.55	23.18	30.81	46.04	61.33	76.60	763.30	3,822	7,639	
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. 2020	7.79	11.43	15.07	18.71	25.99	33.27	40.55	298.30	1,359	2,687	
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. 2019	7.80	12.08	14.22	16.36	20.64	24.92	29.20	223.50	1,092	2,174	Residential
		7.80	11.68	13.62	15.56	19.44	23.32	27.20	203.50	992	1,974	Commercial
Newton	Aug. 2019	11.45	11.45	14.32	17.19	22.93	28.67	34.41	292.71	1,441	2,876	
Norwalk <i>dsm</i>	Jul. 2019	5.00	14.69	19.54	24.39	34.08	43.78	53.48	489.74	2,429	4,852	
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. 2020	13.33	20.73	24.43	28.13	35.53	42.93	50.33	389.42	1,641	3,032	
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. 2020	10.00	23.55	30.33	37.11	50.66	64.22	77.78	610.46	2,900	5,761	
Spencer	Aug. 2020	28.00	36.60	40.90	45.20	53.81	62.41	71.02	458.13	2,179	4,329	
Storm Lake	Jul. 2020	14.11	14.11	17.25	20.41	26.72	33.03	39.35	323.46	1,586	3,165	Residential
									247.64	1,130	2,219	Commercial
Urbandale <i>dsm</i>	April 2017	4.50	13.07	17.36	21.64	30.22	38.79	47.37	436.13	2,167	4,346	
Waukee <i>dsm</i>	Jul. 2020	12.79	17.10	23.60	30.10	43.10	56.10	69.11	654.16	3,254	6,505	
West Des Moines	Jan. 2020	4.34	12.48	16.55	20.62	28.75	36.89	45.04	411.75	2,046	4,088	

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

2020 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. 2017	14.00	22.75	27.13	31.50	40.25	49.01	57.76	391.78	1,758	3,150	
Cedar Falls	Jan. 2020	12.50	15.60	17.15	18.70	21.80	24.90	28.00	137.33	629	1,220	Residential
		12.50	17.30	19.70	22.10	26.90	31.70	36.50	148.53	642	1,198	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	Jan. 2020	20.36	20.36	20.36	20.36	28.26	32.21	40.11	249.68	1,047	1,929	
Marion ‡	Jul. 2020	14.50	14.50	16.34	18.18	21.85	25.53	29.20	242.10	1,193	2,386	
Mason City	Jul. 2019	16.33	16.33	18.39	22.42	30.49	38.56	46.63	277.63	1,206	2,366	
Muscatine	Apr. 2020	15.00	17.23	18.35	19.46	21.69	23.92	26.15	126.53	573	1,130	Residential
		20.39	22.00	22.81	23.62	25.23	26.85	28.46	105.16	444	798	Commercial
North Liberty ∞	Jul. 2020	17.10	17.10	23.97	23.97	37.71	44.58	58.32	518.61	2,580	5,149	
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. 2020	9.89	9.89	9.89	11.96	16.10	20.24	24.38	197.15	940	1,817	
Waverly	Jun. 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.

2020 WATER RATE SURVEY
Additional Rate Information
Iowa Cities (Population 10,000+)
Prepared by the City of Ames, Iowa

City	Estimated Population	Type of Treatment	Range in Rate Steps	Minimum Bill \$/Month ø (0 CF)	CF included on Minimum Bill
Altoona	19,221	wells, softening	6.16 flat per 134 CF	11.16	0
American Water Co.	-- *	filtration	4.38 to 3.22 to 2.43 to 2.24/100 CF	14.00	0
Ames	67,154	wells, softening	2.43 flat per 100 CF	12.40	0
Ankeny	67,355	wells, river, softening	5.07 to 7.12/134 CF	8.83	0
Bettendorf	36,543	See American Water Co. Line			
Boone	12,661	wells, softening	3.33 to 5.42/100 CF	12.00	0
Burlington	25,000	river, softening	4.32 to 3.55 to 2.81 to 2.26 to 1.79 to 1.63/134 CF	20.50	668
Cedar Falls	41,048	wells, chlorine	1.55 to 1.15 /100 CF	12.50	134
Cedar Rapids	133,174	wells, softening	2.35 to 2.22 to 1.94 to 1.05/100 CF	13.76	0
Clinton	25,184	See American Water Co. Line			
Clive	17,506	wells, river, softening	7.76 flat per 134 CF	0.00	0
Coralville	21,664	iron removal, filtration	1.80 flat per 100 CF over min.	7.00	200
Council Bluffs	62,421	river softening	3.70 to 2.69 to 1.70/100 CF over min.	13.23	300
Davenport	102,085	See American Water Co. Line			
Des Moines	216,853	wells, river, softening	4.95 to 3.32 to 2.55/134 CF	6.00	0
Dubuque	57,941	wells, softening	3.85 to 3.14 to 2.91 to 2.57 to 2.28/100 CF	7.66	200
Fairfield	10,414	wells, softening	5.74 to 5.10 to 4.72 to 4.09 to 2.68/100 CF	9.56	0
Fort Dodge	25,000	iron removal, filtration	3.95 to 2.93 to 2.36 to 1.57 to 1.14/134 CF	20.36	268
Fort Madison	10,468	river, softening	6.16 to 5.53 to 4.46 to 3.55/134 CF	10.38	0
Grimes	13,562	wells, softening	10.20 flat per 134 CF over min.	10.49	134
Indianola	16,071	wells, softening	5.75 flat per 134 CF over min.	8.75	134
Iowa City	76,290	wells, softening	3.64 to 2.61/100 CF over min.	7.79	100
Johnston	21,562	wells, river, softening	7.85 flat per each 134 CF	10.56	0
Keokuk	10,286	river, softening	3.17 to 3.09 to 2.56 to 2.18/134 CF over min.	15.51	268
Marion	39,979	iron removal, filtration	1.63 to 1.84 to 2.12 to 2.22 to 2.34/100 CF over min.	14.50	200
Marshalltown	27,552	wells, softening	2.14 flat per 100 CF	7.80	0
Mason City	27,093	wells, chlorine	4.04 to 3.43 to 2.32/100 CF	16.33	0
Muscatine	23,817	wells, chlorine	1.12 flat per 100 CF	15.00	0
Newton	15,209	wells, softening	2.87 flat per 100 CF over min.	11.45	200
North Liberty	18,299	ion exchange	6.87 flat per 134 CF over min.	17.10	134
Norwalk	12,100	wells, river, softening	6.48 flat per 134 CF	5.00	0
Oskaloosa	11,639	wells, softening	7.92 flat per 100 CF over min.	15.84	200
Ottumwa	25,000	river, softening	3.70 to 2.71 to 1.97/100 CF	13.33	0
Pella	10,352	wells, softening	4.82 flat per 134 CF	19.97	0
Pleasant Hill	10,064	wells, river, softening	9.06 to 7.65/134 CF	10.00	0
Sioux City	82,396	filtration	4.12 to 2.50/100 CF over min.	13.48	200
Spencer	11,031	wells, softening	5.75 flat per 134 CF	28.00	0
Storm Lake	10,458	wells, softening	4.22 flat per 134 CF over min.	14.11	200
Urbandale	43,949	wells, river, softening	5.73 flat per 134 CF	4.50	0
Waterloo	67,798	--	2.07 to 1.80 to 1.71 to 1.55 /100 CF over min.	9.89	300
Waukee	24,089	wells, river, softening	8.69 flat per 134 CF over min.	12.79	134
Waverly	10,500	--	4.72 to 3.78 to 3.07 to 2.36/100 CF over min.	11.56	245
West Des Moines	67,899	wells, softening	5.44 flat per 134 CF	4.34	0

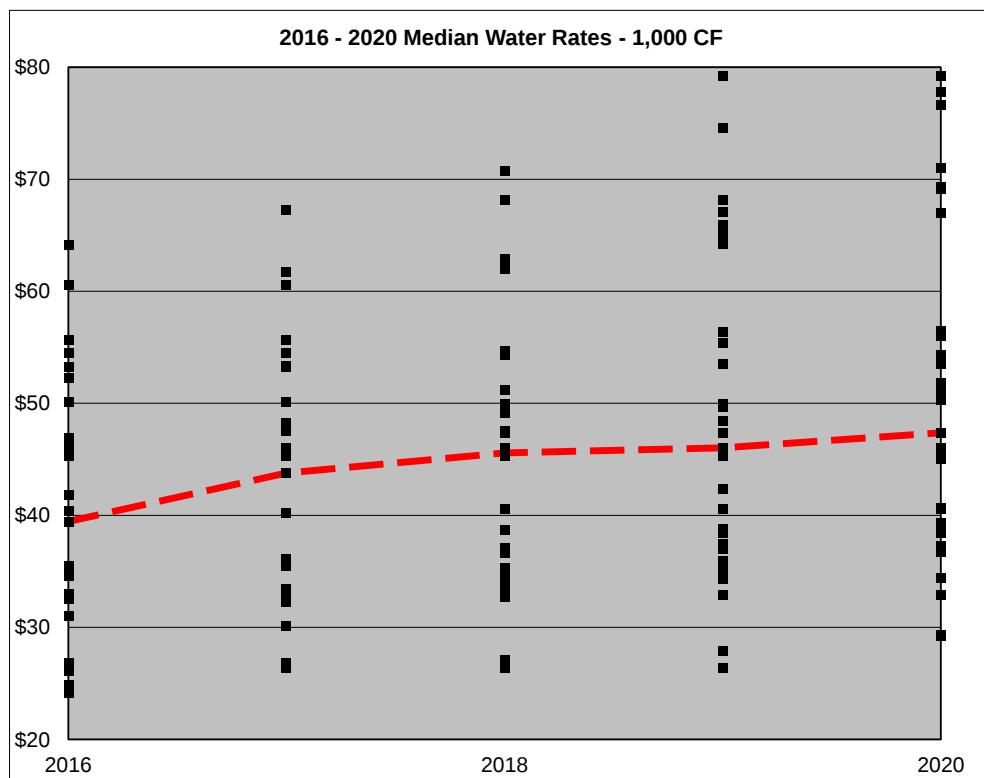
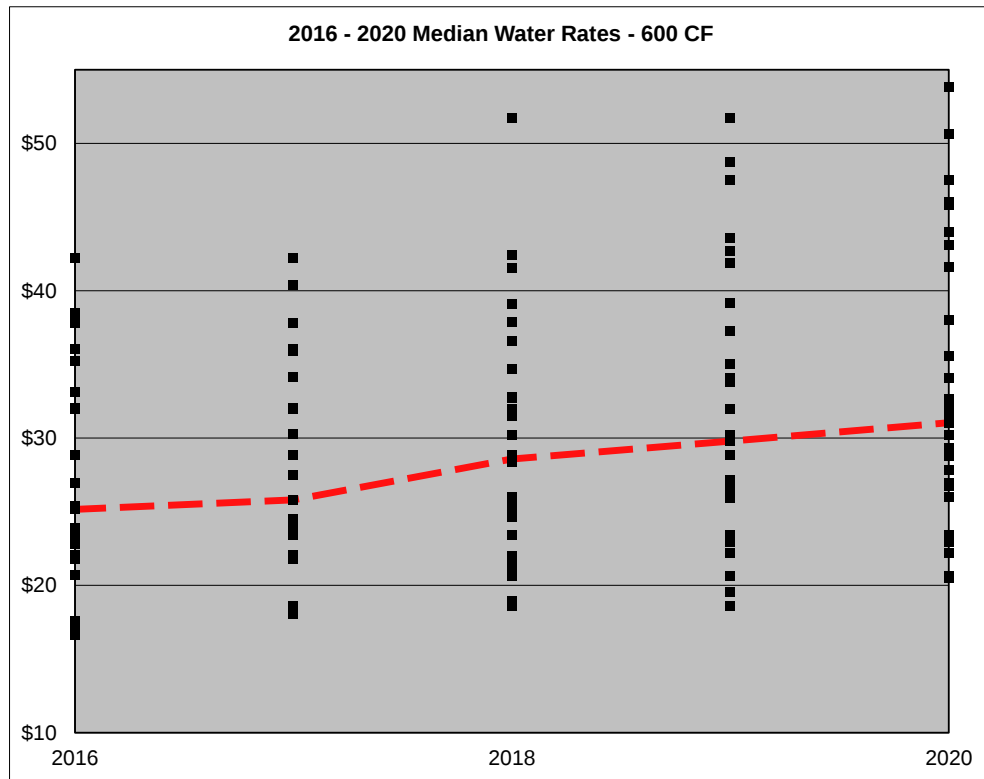
* American Water Co serves Bettendorf, Clinton, and Davenport's populations

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

2020 WATER RATE SURVEY
Softening Water Plants Only
Iowa Cities (Population 10,000+)
Prepared by the City of Ames, Iowa

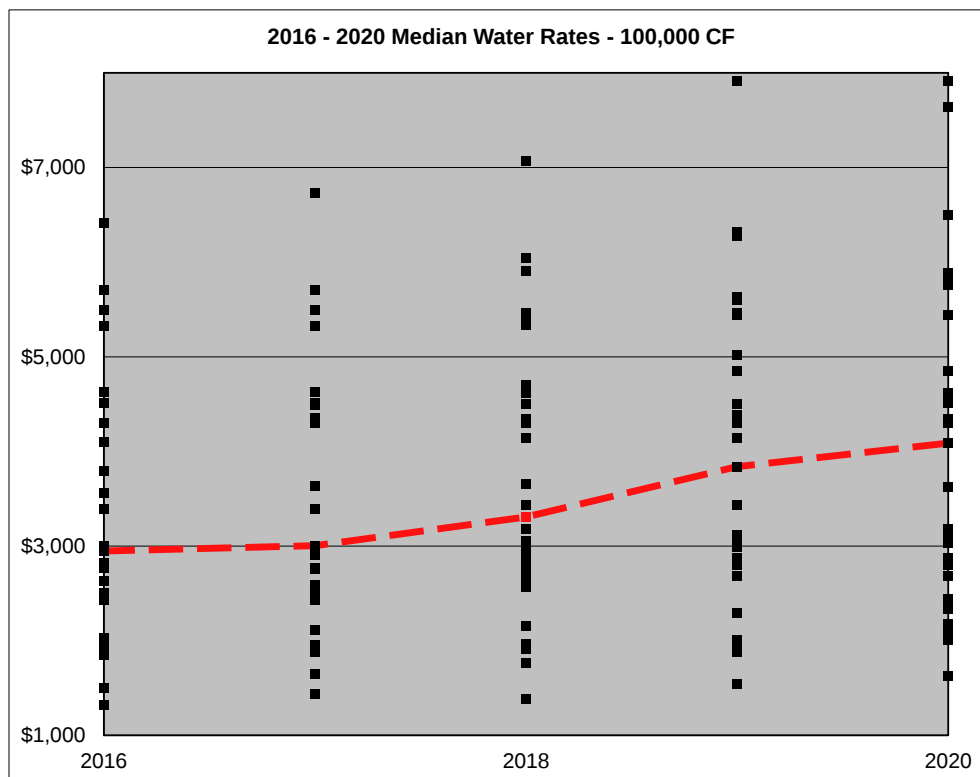
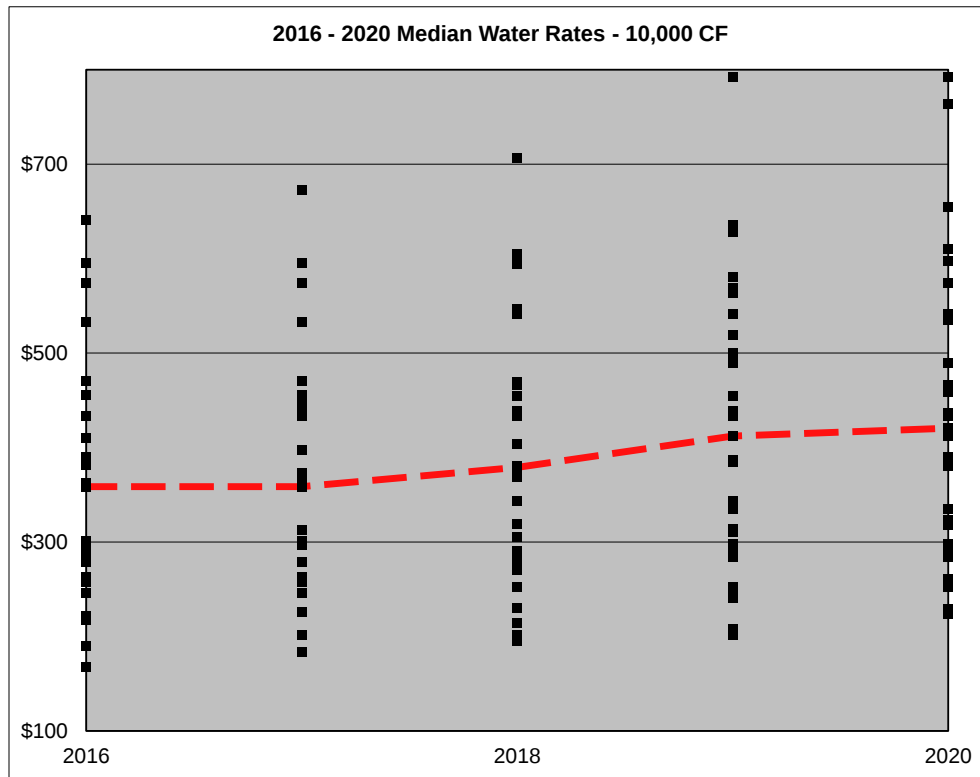
0 CF		600 CF		1,000 CF		10,000 CF		50,000 CF		100,000 CF	
Spencer	28.00	Spencer	53.81	Oskaloosa	79.20	Oskaloosa	792.00	Oskaloosa	3,960	Oskaloosa	7,920
Burlington	20.50	Pleasant Hill	50.66	Pleasant Hill	77.78	Grimes	763.30	Grimes	3,822	Grimes	7,639
Pella	19.97	Oskaloosa	47.52	Grimes	76.60	Waukee	654.16	Waukee	3,254	Waukee	6,505
Oskaloosa	15.84	Grimes	46.04	Spencer	71.02	Pleasant Hill	610.46	Johnston	2,947	Johnston	5,883
Keokuk	15.51	Johnston	45.80	Johnston	69.29	Johnston	597.78	Clive	2,902	Clive	5,804
Storm Lake	14.11	Fairfield	44.00	Waukee	69.11	Clive	574.24	Pleasant Hill	2,900	Pleasant Hill	5,761
Cedar Rapids	13.76	Waukee	43.10	Fairfield	66.96	Ankeny	541.57	Boone	2,718	Boone	5,439
Ottumwa	13.33	Pella	41.60	Fort Madison	56.46	Boone	541.24	Ankeny	2,710	Ankeny	5,439
Council Bluffs	13.23	Fort Madison	38.03	Pella	56.03	Fairfield	534.90	Fairfield	2,442	Norwalk	4,852
Waukee	12.79	Ottumwa	35.53	Clive	54.32	Norwalk	489.74	Norwalk	2,429	Altoona	4,613
Ames	12.40	Norwalk	34.08	Norwalk	53.48	Altoona	465.80	Altoona	2,309	Fairfield	4,513
Boone	12.00	Altoona	32.65	Ankeny	51.84	Spencer	458.13	Spencer	2,179	Urbandale	4,346
Newton	11.45	Boone	31.98	Altoona	51.08	Urbandale	436.13	Urbandale	2,167	Spencer	4,329
Altoona	11.16	Ankeny	31.58	Ottumwa	50.33	Indianola	433.13	Indianola	2,154	Indianola	4,304
Johnston	10.56	Clive	31.04	Urbandale	47.37	Fort Madison	420.48	West Des Moines	2,046	West Des Moines	4,088
Grimes	10.49	Urbandale	30.22	Indianola	46.02	West Des Moines	411.75	Pella	1,823	Pella	3,626
Fort Madison	10.38	Des Moines	29.29	Boone	45.30	Ottumwa	389.42	Fort Madison	1,722	Fort Madison	3,184
Pleasant Hill	10.00	Indianola	28.81	West Des Moines	45.04	Pella	380.53	Ottumwa	1,641	Storm Lake	3,165
Fairfield	9.56	West Des Moines	28.75	Des Moines	40.61	Dubuque	335.30	Storm Lake	1,586	Ames	3,077
Ankeny	8.83	Cedar Rapids	27.85	Iowa City	40.55	Storm Lake	323.46	Ames	1,538	Ottumwa	3,032
Indianola	8.75	Ames	26.98	Storm Lake	39.35	Ames	317.62	Dubuque	1,511	Newton	2,876
Marshalltown	7.80	Storm Lake	26.72	Dubuque	38.46	Iowa City	298.30	Newton	1,441	Dubuque	2,796
Iowa City	7.79	Iowa City	25.99	Cedar Rapids	37.24	Newton	292.71	Iowa City	1,359	Iowa City	2,687
Dubuque	7.66	Keokuk	23.40	Council Bluffs	37.00	Council Bluffs	284.15	Cedar Rapids	1,230	Cedar Rapids	2,443
Des Moines	6.00	Dubuque	23.06	Ames	36.70	Cedar Rapids	260.47	Keokuk	1,184	Keokuk	2,339
Norwalk	5.00	Newton	22.93	Newton	34.41	Keokuk	258.96	Council Bluffs	1,162	Marshalltown	2,174
Urbandale	4.50	Council Bluffs	22.20	Keokuk	32.88	Burlington	251.94	Marshalltown	1,092	Des Moines	2,071
West Des Moines	4.34	Marshalltown	20.64	Burlington	29.31	Des Moines	229.14	Des Moines	1,045	Council Bluffs	2,012
Clive	0.00	Burlington	20.50	Marshalltown	29.20	Marshalltown	223.50	Burlington	908	Burlington	1,629
High	28.00	High	53.81	High	79.20	High	792.00	High	3,960	High	7,920
Median	10.56	Median	31.04	Median	47.37	Median	420.48	Median	2,046	Median	4,088
Low	0.00	Low	20.50	Low	29.20	Low	223.50	Low	908	Low	1,629

2020 WATER RATE SURVEY
Median Water Rates
Historical Comparison 2016-2020
Iowa Cities (Population 10,000+)
 Prepared by the City of Ames, Iowa



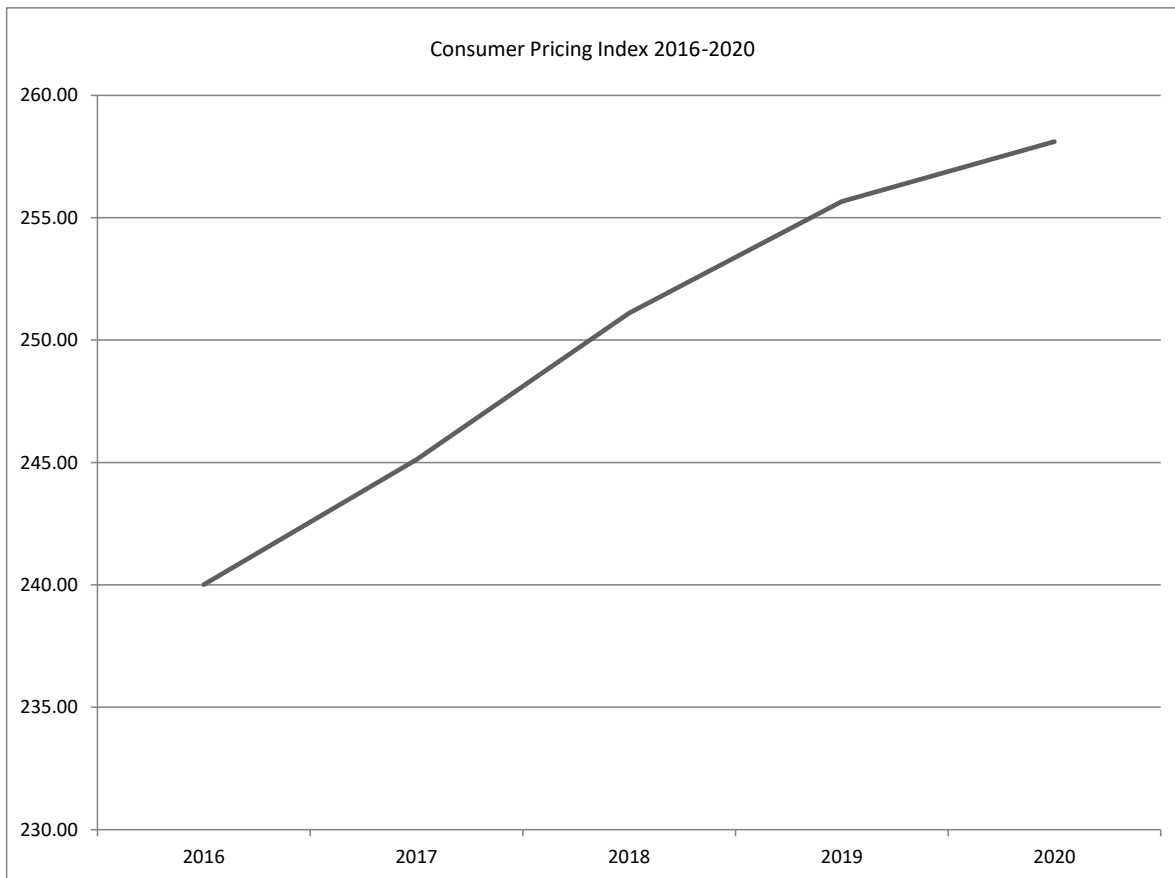
--- Median

2020 WATER RATE SURVEY
Median Water Rates
Historical Comparison 2016-2020
Iowa Cities (Population 10,000+)
 Prepared by the City of Ames, Iowa



--- Median

2020 WATER RATE SURVEY
Median Water Rates
Historical Comparison 2016-2020
Iowa Cities (Population 10,000+)
Prepared by the City of Ames, Iowa



2020 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): \$0.0243/cf Residential Summer Rates (July 1 - Oct. 31): \$0.0243/cf for first 1,000 cf of usage \$0.0428/cf for the next 1,500 cf of usage \$0.0644/cf for all usage over 2,500 cf Non-Residential Winter Rates: \$0.0243/cf Non-Residential Summer Rates: \$0.0318/cf	Irrigation/Yard Water Rates: July 1 - Oct. 31: \$0.0350/cf for first 2,000 cf of usage \$0.0644/cf for the next 3,000 cf of usage \$0.1072/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: \$7.76/1,000 gal. for residential, \$9.25/1,000 gal. for commercial	
Coralville	None	
Council Bluffs	None	
Des Moines	Wholesale rates to suburban communities (less than retail). \$2.33/1,000 gallons for those who have purchased capacity in DMWW's system. \$4.44/1,000 gallons for regular wholesale.	
Dubuque	None	
Fairfield	None	
Fort Dodge	Snowbirds do not pay water/tax while gone at least 90 days	
Fort Madison	None	
Grimes	Irrigation Meters: Same rate, but no finance charge added	
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	
Marion	None	
Mashalltown	Irrigation Rates: \$2.18/1,000 gallons	
Mason City	None	
Muscatine	None	
Newton	None	
North Liberty	None	
Norwalk	Over 15,000 gal./day = \$3.70/1000 gal.	
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: \$6.73/1,000 gallons	
Waterloo	None	
Waukee	Irrigation Rate: \$9.69/1,000 gallons; Irrigation water usage charged at a rate of \$1.00 higher/1,000 gallons/month than the regular domestic meter rate.	
Waverly	None	
West Des Moines	Irrigation Rate: \$6.57/1,000 gallons	

2020 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			
		2021	2022	2023	2024
Altoona	Cambrian-Ordovician aquifer	--	--	--	--
American Water	Cambrian-Ordovician aquifers	--	--	--	--
Ames	Ames Aquifer	8.0%	2.0%	9.0%	2.0%
Ankeny	DMWW (Des Moines and Raccoon Rivers)	8.5%	8.5%	8.0%	8.0%
Boone	Middle Des Moines River sand and gravel alluvial aquifer	0.0%	0.0%	0.0%	0.0%
Burlington	80% Mississippi River, 20% from 3 wells in the Pleistocene aquifer	5.0%	5.0%	5.0%	5.0%
Cedar Falls	Silurian-Devonian aquifer	--	--	--	--
Cedar Rapids	Cedar River	6.5%	TBD	TBD	TBD
Clive	Des Moines Water Works (Des Moines/Raccoon Rivers)	--	--	--	--
Coralville	Jordan (Cambrian-Ordovician), Silurian, and Pleistocene aquifers	--	--	--	--
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	--	--	--	--
Fairfield	Jordan Sands aquifer	--	--	--	--
Fort Dodge	Cambrian-Ordovician and Mississippian aquifers	34.0%	TBD	TBD	TBD
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	--	--	--	--
Iowa City	Alluvial aquifer	--	--	--	--
Johnston	DMWW (Des Moines and Raccoon Rivers)	TBD	TBD	TBD	TBD
Keokuk	Mississippi River and its tributaries	0.0%	TBD	0.0%	TBD
Marion	Jordan and Silurian Aquifers	--	--	--	--
Marshalltown	Mississippi and Pleistocene Aquifers	9.5%	TBD	TBD	TBD
Mason City	Cambrian-Ordovician aquifer	--	--	--	--
Muscatine	Muscatine Island Aquifer	--	--	--	--
Newton	Over 75% South Skunk River sand and gravel alluvial aquifer, under 25% Jordan (Cambrian-Ordovician) Aquifer	--	--	--	--
North Liberty	Jordan and Silurian Aquifers	3.0%	3.0%	3.0%	3.0%
Norwalk	DMWW, Alluvial and Cambrian-Ordovician aquifer	4.0%	5.0%	5.5%	6.5%
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)	3.0%	3.0%	3.0%	3.0%
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	2.5%	2.5%	2.5%	2.5%
West Des Moines	Wells (Raccoon River Alluvial and Jordan Aquifers), DMWW	--	--	--	--

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

2020 WATER RATE SURVEY
Projected Rate Increases
Iowa Cities (Population 10,000+)
Prepared by the City of Ames, Iowa

2021		2022		2023		2024	
Fort Dodge	34.0%	Ankeny	8.5%	Ames	9.0%	Ankeny	8.0%
Marshalltown	9.5%	Burlington	5.0%	Ankeny	8.0%	Norwalk	6.5%
Ankeny	8.5%	Norwalk	5.0%	Norwalk	5.5%	Burlington	5.0%
Ames	8.0%	Oskaloosa	5.0%	Burlington	5.0%	Oskaloosa	5.0%
Cedar Rapids	6.5%	North Liberty	3.0%	Oskaloosa	5.0%	North Liberty	3.0%
Burlington	5.0%	Ottumwa	3.0%	Council Bluffs	5.0%	Ottumwa	3.0%
Council Bluffs	5.0%	Storm Lake	3.0%	North Liberty	3.0%	Storm Lake	3.0%
Norwalk	4.0%	Urbandale	3.0%	Ottumwa	3.0%	Urbandale	3.0%
North Liberty	3.0%	Waukee	3.0%	Storm Lake	3.0%	Waukee	3.0%
Ottumwa	3.0%	Waverly	2.5%	Urbandale	3.0%	Waverly	2.5%
Storm Lake	3.0%	Ames	2.0%	Waukee	3.0%	Ames	2.0%
Urbandale	3.0%	Waterloo	2.0%	Waverly	2.5%	Waterloo	2.0%
Waukee	3.0%	Council Bluffs	0.0%	Waterloo	2.0%	Council Bluffs	0.0%
Waverly	2.5%	Boone	0.0%	Boone	0.0%	Boone	0.0%
Oskaloosa	2.0%	Cedar Rapids	TBD	Keokuk	0.0%	Cedar Rapids	TBD
Waterloo	2.0%	Des Moines	TBD	Cedar Rapids	TBD	Des Moines	TBD
Boone	0.0%	Fort Dodge	TBD	Des Moines	TBD	Fort Dodge	TBD
Keokuk	0.0%	Johnston	TBD	Fort Dodge	TBD	Johnston	TBD
Des Moines	TBD	Keokuk	TBD	Johnston	TBD	Keokuk	TBD
Johnston	TBD	Marshalltown	TBD	Marshalltown	TBD	Marshalltown	TBD
Altoona	--	Altoona	--	Altoona	--	Altoona	--
American Water	--	American Water	--	American Water	--	American Water	--
Cedar Falls	--	Cedar Falls	--	Cedar Falls	--	Cedar Falls	--
Clive	--	Clive	--	Clive	--	Clive	--
Coralville	--	Coralville	--	Coralville	--	Coralville	--
Dubuque	--	Dubuque	--	Dubuque	--	Dubuque	--
Fairfield	--	Fairfield	--	Fairfield	--	Fairfield	--
Fort Madison	--	Fort Madison	--	Fort Madison	--	Fort Madison	--
Grimes	--	Grimes	--	Grimes	--	Grimes	--
Indianola	--	Indianola	--	Indianola	--	Indianola	--
Iowa City	--	Iowa City	--	Iowa City	--	Iowa City	--
Marion	--	Marion	--	Marion	--	Marion	--
Mason City	--	Mason City	--	Mason City	--	Mason City	--
Muscatine	--	Muscatine	--	Muscatine	--	Muscatine	--
Newton	--	Newton	--	Newton	--	Newton	--
Pella	--	Pella	--	Pella	--	Pella	--
Pleasant Hill	--	Pleasant Hill	--	Pleasant Hill	--	Pleasant Hill	--
Sioux City	--	Sioux City	--	Sioux City	--	Sioux City	--
Spencer	--	Spencer	--	Spencer	--	Spencer	--
West Des Moines	--	West Des Moines	--	West Des Moines	--	West Des Moines	--
MEDIAN	3.0%	MEDIAN	3.0%	MEDIAN	3.0%	MEDIAN	3.0%

2020 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	Considering				Implemented		Implemented	Temporarily suspended termination of services for non-payment.
Ankeny					Implemented			
Boone							Considering	
Burlington		Considering			Considering			
Cedar Rapids			Implemented		Implemented			Temporarily suspended termination of services for non-payment, waived late payment charges, and will likely provide some level of debt forgiveness for FY 21.
Council Bluffs					Implemented	Considering	Considering	Considering deferring the 2021 projected rate increase.
Fort Dodge								There was a \$25 stimulus credit on all water bills in June 2020.
Johnston					Implemented			
Norwalk								Waived late penalties March 2020 - June 2020. Delayed utility rate increases from 7/1/2020 to 1/1/2021.
Ottumwa				Implemented				
Storm Lake					Implemented		Implemented	
Waukee					Implemented			
West Des Moines					Considering			Considering delayed purchase of new vehicles.

2020 Sewer Rate Survey

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



2020 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	Jan. 2020	13.32	17.45	23.67	29.89	42.34	54.79	67.24	627.38	3,117	6,229
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. 2015	19.18	29.77	35.07	40.36	50.96	61.55	72.15	572.71	2,779	5,578
Bettendorf	Apr. 2020	2.00	8.82	12.23	15.64	22.46	29.28	36.10	343.00	1,707	3,412
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. 2020	15.44	24.66	29.26	33.87	43.09	52.30	61.52	476.24	2,319	4,623
Cedar Falls	Jul. 2020	20.42	20.42	24.08	27.74	35.06	42.38	49.70	379.10	1,843	3,673
Cedar Rapids	Jul. 2020	17.21	17.21	19.50	21.79	26.38	30.96	35.54	241.76	1,158	2,304
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 2020	8.00	14.10	20.20	20.20	32.40	38.50	50.70	459.40	2,289	4,571
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. 2019	8.58	8.58	8.58	11.44	17.16	22.88	28.60	286.00	1,430	2,860
Davenport	Jul. 2020	19.61	29.79	34.88	39.97	50.15	60.33	70.51	528.61	2,565	5,110
Des Moines	Jul. 2020	4.40	15.93	21.70	27.47	39.00	50.54	62.08	581.15	2,888	5,772
Dubuque	Jul. 2019	10.53	10.53	15.80	21.07	31.61	42.15	52.69	527.08	2,635	5,270
Fairfield	Jan. 2020	22.37	37.13	44.51	51.89	66.65	81.41	96.17	760.37	3,712	7,402
Fort Dodge Δ	Jan. 2020	37.28	37.28	37.28	37.28	40.62	43.96	50.64	274.42	1,276	2,526
Fort Madison	Jul. 2020	25.50	34.33	38.74	43.15	51.98	60.81	69.64	466.85	2,232	4,439
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. 2020	6.15	14.65	18.90	23.14	31.64	40.14	48.64	431.04	2,131	4,255
Keokuk	Jul. 2019	31.90	31.90	33.61	38.86	49.37	59.87	70.38	542.99	2,644	5,269
Marion	Jul. 2020	2.00	10.20	14.30	18.40	26.60	34.80	43.00	412.00	2,052	4,102
Marshalltown	Jan. 2018	23.75	29.91	32.99	36.07	42.23	48.39	54.55	311.75	1,564	3,104
Mason City	Jul. 2019	10.05	10.05	12.31	14.74	19.60	24.47	29.33	248.21	1,221	2,437
Muscatine †	Jul. 2020	30.49	30.49	30.49	33.46	39.40	45.34	51.28	318.58	1,507	2,992
Newton	Jul. 2019	12.52	12.52	16.53	20.54	28.56	36.58	44.60	405.50	2,010	4,015
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. 2019	7.50	22.81	30.46	38.11	53.41	68.72	84.03	772.76	3,834	7,660
Oskaloosa	Mar. 2020	19.15	36.99	45.91	54.83	72.67	90.51	108.35	911.15	4,479	8,939
Ottumwa	Jul. 2020	15.65	25.95	31.10	36.25	46.55	56.85	67.15	530.65	2,591	5,166
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. 2020	10.86	20.55	25.40	30.25	39.94	49.64	59.34	414.49	1,911	3,781
Sioux City	Jul. 2020	11.79	11.79	16.21	20.62	29.46	38.30	47.13	451.59	2,244	4,482
Spencer ‡	Jul. 2020	25.93	28.44	32.22	36.01	43.58	51.15	58.72	399.38	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. 2020	3.00	10.03	13.55	17.06	24.09	31.12	38.16	354.58	1,761	3,519
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. 2020	14.80	20.35	28.71	37.07	53.80	70.52	87.26	839.94	4,185	8,367
Waverly	Jun. 2020	14.43	14.43	17.67	23.56	35.34	47.12	58.90	589.00	2,945	5,890
West Des Moines	Jul. 2020	3.68	12.96	17.59	22.23	31.51	40.78	50.06	467.47	2,323	4,642

1"

2"

3"

Δ Fort Dodge rounds down to the nearest 1,000 gallons, and includes a monthly CSI Surcharge of \$20/month.

§ Clive rounds down to the nearest 1,000 gallons

† Muscatine's sewer rate includes a monthly Collection & Drainage charge of \$12.90/month.

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

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

2020 SEWER RATE SURVEY
Additional Rate Information
Iowa Cities (Population 10,000+)
Prepared by the City of Ames, Iowa

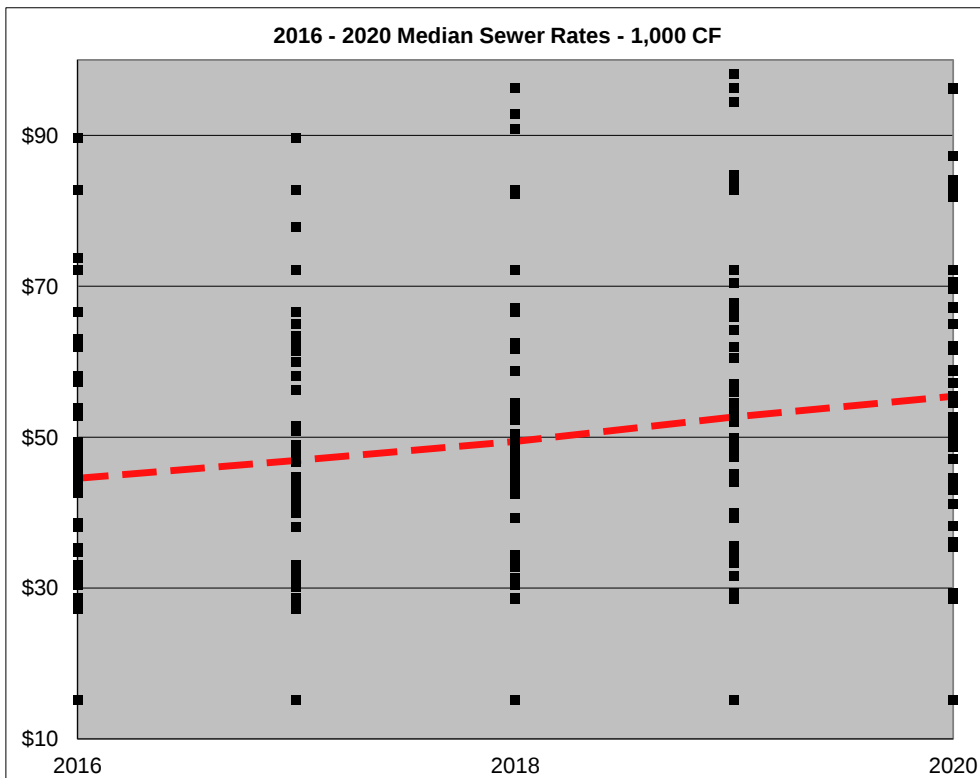
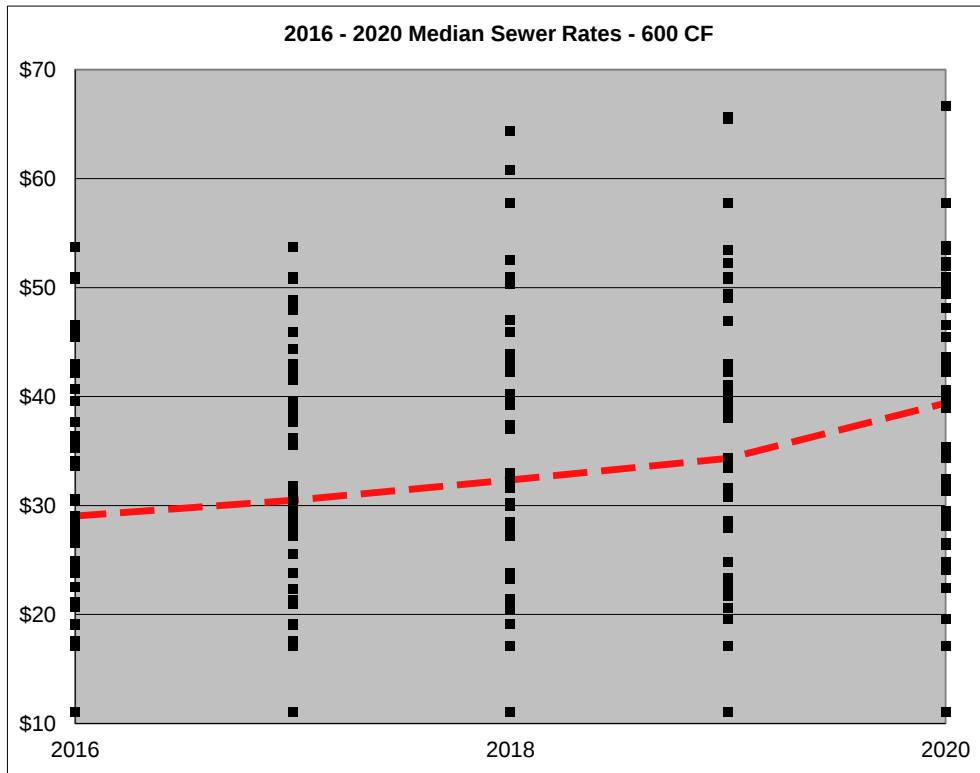
City	Estimated Population	Rate Effective	Range in Rate Steps	Minimum Bill \$/Month ø (0 CF)	CF included on Minimum Bill
Altoona	19,221	Jan. 2020	8.32 flat per 134 CF	13.32	0
Ames	67,154	Jul. 2020	2.96 flat per 100 CF	11.58	0
Ankeny	67,355	Jul. 2015	7.08 flat per 134 CF	19.18	0
Bettendorf	36,543	Apr. 2020	3.41 flat per 100 CF	2.00	0
Boone	12,661	Jul. 2010	7.97 flat per 100 CF	3.00	0
Burlington	25,000	Jul. 2020	6.16 flat per 134 CF	15.44	0
Cedar Falls	41,048	Jul. 2020	3.66 flat per 100 CF over min.	20.42	200
Cedar Rapids	133,174	Jul. 2020	2.2913 flat per 100 CF over min.	17.21	200
Clinton	25,184	Jul. 2019	9.63 flat per 100 CF over min.	9.63	100
Clive	17,506	May 2020	6.10 flat per 134 CF	8.00	0
Coralville	21,664	Jul. 2019	4.40 flat per 100 CF over min.	13.75	200
Council Bluffs	62,421	Jul. 2019	2.86 flat per 100 CF over min.	8.58	300
Davenport	102,085	Jul. 2020	5.09 flat per 100 CF	19.61	0
Des Moines	216,853	Jul. 2020	7.71 flat per 134 CF	4.40	0
Dubuque	57,941	Jul. 2019	7.04 flat per 134 CF over min.	10.53	200
Fairfield	10,414	Jan. 2020	7.38 flat per 100 CF	22.37	0
Fort Dodge	25,000	Jan. 2020	3.34 flat per 134 CF over min.	37.28	400
Fort Madison	10,468	Jul. 2020	5.90 flat per 134 CF	25.50	0
Grimes	13,562	Jul. 2020	7.65 flat per 134 CF	7.65	134
Indianola	16,071	Jun. 2020	9.85 flat per 134 CF over min.	18.00	134
Iowa City	76,290	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	21,562	Jul. 2020	5.68 flat per 134 CF	6.15	0
Keokuk	10,286	Jul. 2019	7.02 flat per 134 CF over min.	31.90	268
Marion	39,979	Jul. 2020	4.10 flat per 100 CF	2.00	0
Marshalltown	27,552	Jan. 2018	3.08 flat per 100 CF	23.75	0
Mason City	27,093	Jul. 2019	2.43 flat per 100 CF	10.05	0
Muscatine	23,817	Jul. 2020	2.97 flat per 100 CF over min.	30.49	300
Newton	15,209	Jul. 2019	4.01 flat per 100 CF over min.	12.52	200
North Liberty	18,299	Jul. 2020	5.63 flat per 134 CF over min.	31.24	134
Norwalk	12,100	Jul. 2019	10.23 flat per 134 CF	7.50	0
Oskaloosa	11,639	Mar. 2020	8.92 flat per 100 CF	19.15	0
Ottumwa	25,000	Jul. 2020	5.15 flat per 100 CF	15.65	0
Pella	10,352	Jul. 2020	5.36 flat per 134 CF	21.42	0
Pleasant Hill	10,064	Jul. 2020	6.48 to 5.00 per 134 CF	10.86	0
Sioux City	82,396	Jul. 2020	4.418 flat per 100 CF over min.	11.79	200
Spencer	11,031	Jul. 2020	5.06 to 3.61/134 CF over min.	25.93	134
Storm Lake	10,458	Jul. 2020	4.37 flat per 134 CF	22.73	0
Urbandale	43,949	Jul. 2020	4.70 flat per 134 CF	3.00	0
Waterloo	67,798	Jul. 2020	2.68 flat per 100 CF over min.	16.75	300
Waukee	24,089	Jul. 2020	11.18 flat per 134 CF over min.	14.80	134
Waverly	10,500	Jun. 2020	5.89 flat per 100 CF over min.	14.43	245
West Des Moines	67,899	Jul. 2020	6.20 flat per 134 CF	3.68	0

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

2020 SEWER RATE SURVEY
All Wastewater Plants
Iowa Cities (Population 10,000+)
Prepared by the City of Ames, Iowa

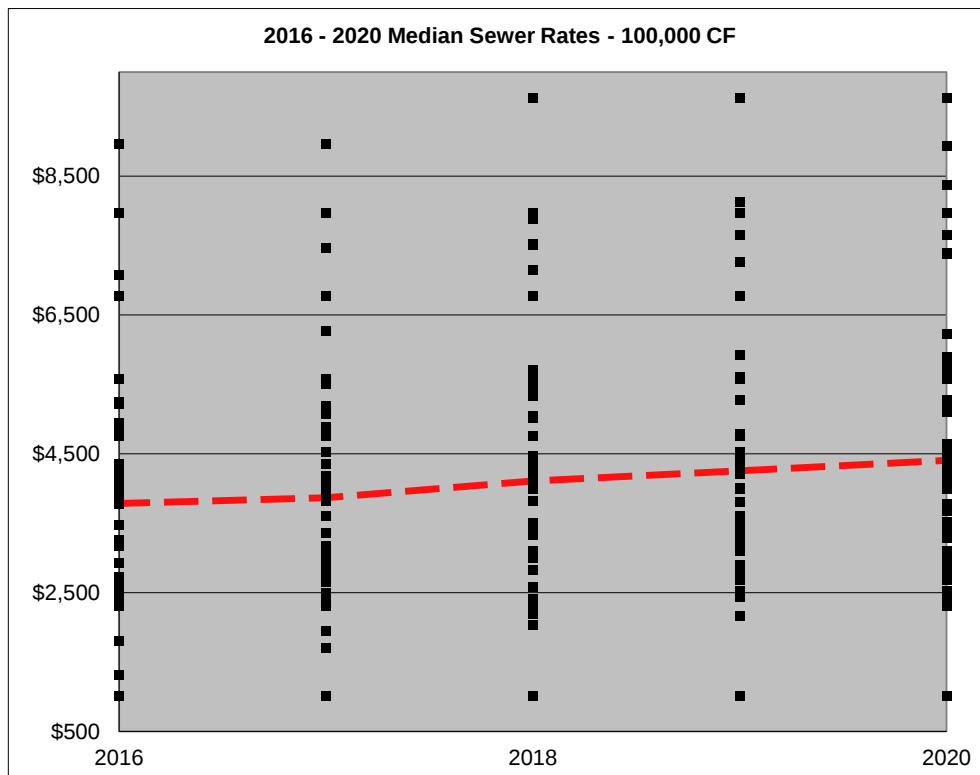
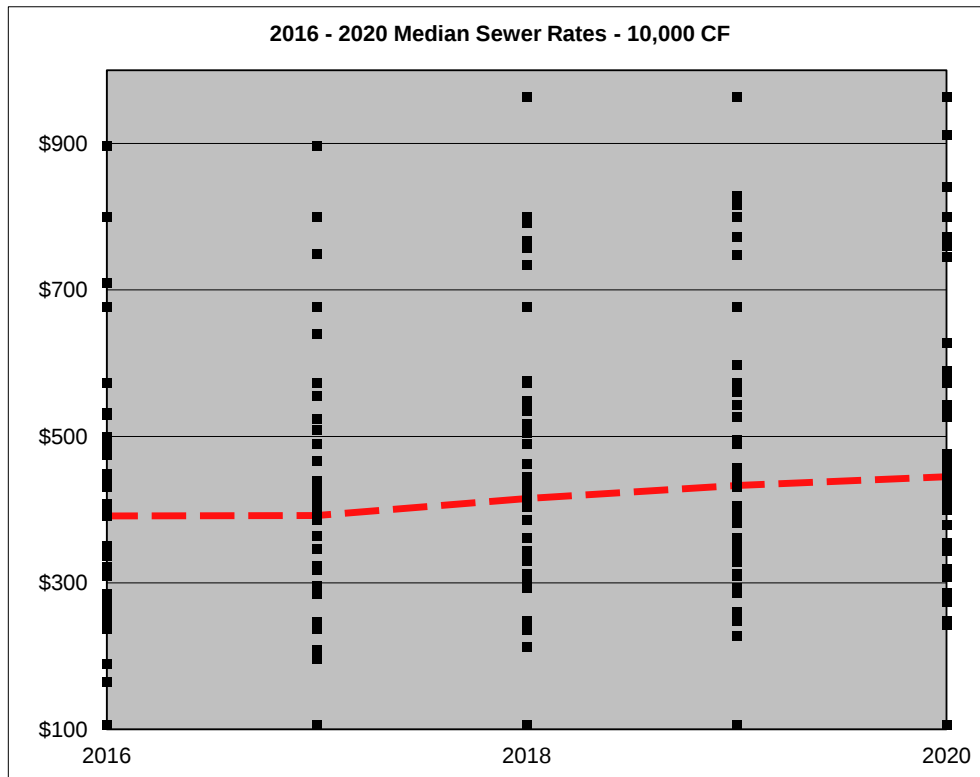
0 CF		600 CF		1,000 CF		10,000 CF		50,000 CF		100,000 CF	
Fort Dodge	37.28	Oskaloosa	72.67	Oskaloosa	108.35	Clinton	963.00	Clinton	4,815	Clinton	9,630
Keokuk	31.90	Fairfield	66.65	Clinton	96.30	Oskaloosa	911.15	Oskaloosa	4,479	Oskaloosa	8,939
North Liberty	31.24	Clinton	57.78	Fairfield	96.17	Waukeee	839.94	Waukeee	4,185	Waukeee	8,367
Muscatine	30.49	Waukeee	53.80	Waukeee	87.26	Boone	800.00	Boone	3,988	Boone	7,973
Spencer	25.93	Norwalk	53.41	Norwalk	84.03	Norwalk	772.76	Norwalk	3,834	Norwalk	7,660
Fort Madison	25.50	Indianola	52.36	Boone	82.70	Fairfield	760.37	Fairfield	3,712	Fairfield	7,402
Marshalltown	23.75	Fort Madison	51.98	Indianola	81.84	Indianola	744.98	Indianola	3,692	Indianola	7,376
Storm Lake	22.73	Ankeny	50.96	Ankeny	72.15	Altoona	627.38	Altoona	3,117	Altoona	6,229
Fairfield	22.37	Boone	50.82	Davenport	70.51	Waverly	589.00	Waverly	2,945	Waverly	5,890
Pella	21.42	Davenport	50.15	Keokuk	70.38	Des Moines	581.15	Des Moines	2,888	Des Moines	5,772
Cedar Falls	20.42	Keokuk	49.37	Fort Madison	69.64	Ankeny	572.71	Grimes	2,861	Grimes	5,723
Davenport	19.61	North Liberty	48.13	Altoona	67.24	Grimes	572.26	Ankeny	2,779	Ankeny	5,578
Ankeny	19.18	Ottumwa	46.55	Ottumwa	67.15	Keokuk	542.99	Keokuk	2,644	Dubuque	5,270
Oskaloosa	19.15	Pella	45.48	North Liberty	65.02	Ottumwa	530.65	Dubuque	2,635	Keokuk	5,269
Indianola	18.00	Spencer	43.58	Des Moines	62.08	Davenport	528.61	Ottumwa	2,591	Ottumwa	5,166
Cedar Rapids	17.21	Burlington	43.09	Burlington	61.52	Dubuque	527.08	Davenport	2,565	Davenport	5,110
Waterloo	16.75	Altoona	42.34	Pella	61.52	Burlington	476.24	West Des Moines	2,323	West Des Moines	4,642
Ottumwa	15.65	Storm Lake	42.34	Pleasant Hill	59.34	West Des Moines	467.47	Burlington	2,319	Burlington	4,623
Burlington	15.44	Marshalltown	42.23	Waverly	58.90	Fort Madison	466.85	Clive	2,289	Clive	4,571
Waukeee	14.80	Fort Dodge	40.62	Spencer	58.72	Clive	459.40	Sioux City	2,244	Sioux City	4,482
Waverly	14.43	Pleasant Hill	39.94	Grimes	57.23	Sioux City	451.59	Fort Madison	2,232	Fort Madison	4,439
Coralville	13.75	Muscatine	39.40	Storm Lake	55.42	Coralville	444.95	Coralville	2,205	Coralville	4,405
Altoona	13.32	Des Moines	39.00	Marshalltown	54.55	North Liberty	442.23	North Liberty	2,131	Johnston	4,255
Newton	12.52	Waverly	35.34	Dubuque	52.69	Johnston	431.04	Johnston	2,131	North Liberty	4,237
Sioux City	11.79	Cedar Falls	35.06	Muscatine	51.28	Pella	422.38	Marion	2,052	Marion	4,102
Ames	11.58	Grimes	34.33	Clive	50.70	Pleasant Hill	414.49	Pella	2,026	Pella	4,031
Pleasant Hill	10.86	Clive	32.40	Fort Dodge	50.64	Marion	412.00	Newton	2,010	Newton	4,015
Dubuque	10.53	Johnston	31.64	West Des Moines	50.06	Newton	405.50	Iowa City	1,999	Iowa City	3,994
Mason City	10.05	Dubuque	31.61	Cedar Falls	49.70	Iowa City	403.16	Pleasant Hill	1,911	Pleasant Hill	3,781
Clinton	9.63	West Des Moines	31.51	Coralville	48.95	Spencer	399.38	Cedar Falls	1,843	Cedar Falls	3,673
Council Bluffs	8.58	Coralville	31.35	Johnston	48.64	Cedar Falls	379.10	Urbandale	1,761	Urbandale	3,519
Iowa City	8.15	Sioux City	29.46	Sioux City	47.13	Urbandale	354.58	Bettendorf	1,707	Bettendorf	3,412
Clive	8.00	Ames	29.34	Newton	44.60	Storm Lake	349.63	Storm Lake	1,657	Storm Lake	3,292
Grimes	7.65	Newton	28.56	Iowa City	44.06	Bettendorf	343.00	Marshalltown	1,564	Marshalltown	3,104
Norwalk	7.50	Iowa City	28.10	Marion	43.00	Muscatine	318.58	Muscatine	1,507	Muscatine	2,992
Johnston	6.15	Marion	26.60	Ames	41.18	Marshalltown	311.75	Ames	1,492	Ames	2,972
Iowa Great Lakes Sanitary District	5.00										
Des Moines	4.40	Cedar Rapids	26.38	Urbandale	38.16	Ames	307.58	Spencer	1,444	Council Bluffs	2,860
West Des Moines	3.68	Waterloo	24.79	Bettendorf	36.10	Council Bluffs	286.00	Council Bluffs	1,430	Spencer	2,794
Boone	3.00	Urbandale	24.09	Cedar Rapids	35.54	Waterloo	276.71	Waterloo	1,349	Waterloo	2,689
Urbandale	3.00	Bettendorf	22.46	Waterloo	35.51	Fort Dodge	274.42	Fort Dodge	1,276	Fort Dodge	2,526
Bettendorf	2.00	Mason City	19.60	Mason City	29.33	Mason City	248.21	Mason City	1,221	Mason City	2,437
		Council Bluffs	17.16	Council Bluffs	28.60	Cedar Rapids	241.76	Cedar Rapids	1,158	Cedar Rapids	2,304
		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		High	72.67	High	108.35	High	963.00	High	4,815	High	9,630
Median		Median	39.40	Median	55.42	Median	444.95	Median	2,205	Median	4,405
Low		Low	11.06	Low	15.10	Low	105.99	Low	510	Low	1,015

2020 SEWER RATE SURVEY
Median Sewer Rates
Historical Comparison 2016-2020
Iowa Cities (Population 10,000+)
 Prepared by the City of Ames, Iowa



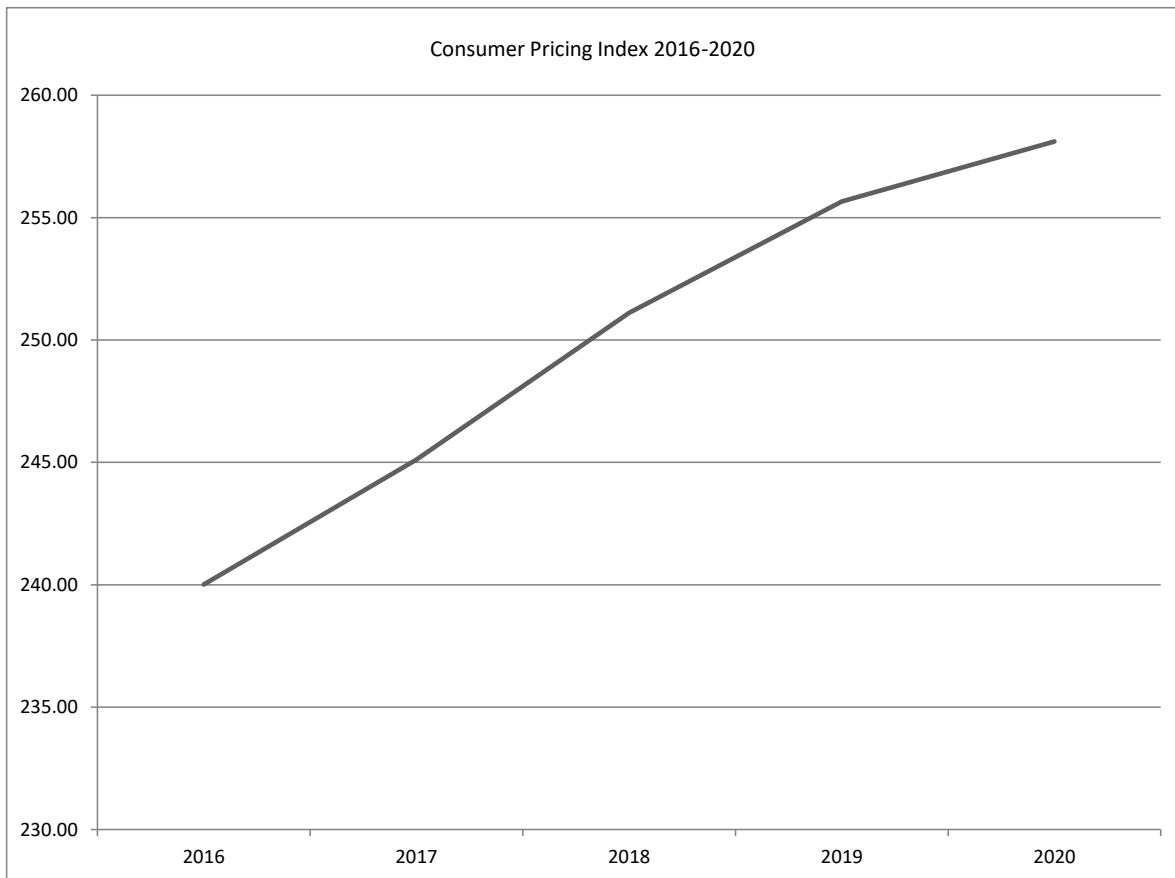
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2020 SEWER RATE SURVEY
Median Sewer Rates
Historical Comparison 2016-2020
Iowa Cities (Population 10,000+)
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--- Median

2020 SEWER RATE SURVEY
Median Sewer Rates
Historical Comparison 2016-2020
Iowa Cities (Population 10,000+)
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2020 SEWER RATE SURVEY
Projected Rate Increase Data
Iowa Cities (Population 10,000+)
Prepared by the City of Ames, IA

City	Projected Rate Increases			
	2021	2022	2023	2024
Altoona	--	--	--	--
Ames	0.0%	5.0%	0.0%	8.0%
Ankeny	--	--	--	--
Bettendorf	--	--	--	--
Boone	0.0%	0.0%	0.0%	0.0%
Burlington	--	--	--	--
Cedar Falls	5.0%	5.0%	11.5%	9.0%
Cedar Rapids	6.5%	TBD	TBD	TBD
Clinton	--	--	--	--
Clive	3.0%	3.0%	3.0%	4.0%
Coralville	--	--	--	--
Council Bluffs	26.0%	8.0%	8.0%	8.0%
Davenport	--	--	--	--
Des Moines	3.0%	3.0%	3.0%	3.0%
Dubuque	--	--	--	--
Fairfield	--	--	--	--
Fort Dodge	--	--	--	--
Fort Madison	2.0%	2.0%	2.0%	2.0%
Grimes	--	--	--	--
Indianola	0.0%	0.0%	0.0%	0.0%
Iowa City	--	--	--	--
Iowa Great Lakes Sanitary District	--	--	--	--
Johnston	TBD	TBD	TBD	TBD
Keokuk	3.0%	3.0%	3.0%	3.0%
Marion	--	--	--	--
Mashalltown	TBD	TBD	TBD	--
Mason City	--	--	--	--
Muscatine	3.0%	3.0%	TBD	TBD
Newton	--	--	--	--
North Liberty	0.0%	2.0%	2.0%	2.0%
Norwalk	--	--	--	--
Oskaloosa	8.0%	8.0%	8.0%	8.0%
Ottumwa	--	--	--	--
Pella	8.0%	--	--	--
Pleasant Hill	--	--	--	--
Sioux City	--	--	--	--
Spencer	--	--	--	--
Storm Lake	3.0%	3.0%	3.0%	3.0%
Urbandale	--	--	--	--
Waterloo	--	--	--	--
Waukee	--	--	--	--
Waverly	10.0%	2.5%	2.5%	2.5%
West Des Moines	--	--	--	--

2020 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	\$39,915,000
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.	Have not completed the nutrient reduction report, but did a nutrient reduction strategy report Oct. 2015.
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	\$13.00/1,000 gal.	Required. Study complete.	Plan due 1/1/2022 is essentially complete pending Council decision and approval. Cost to implement range from \$80 - 200M+. Most likely option to implement will be \$120M.
Cedar Rapids	N	Y	Cedar River	Septic: \$112.78/1,000 gal.; Portable Toilet Waste: \$91.39/1,000 gal.; Grease (FOG): \$160.08/1,000 gal.	Required. Study complete.	Nutrient Reduction Feasibility Study - \$1.4M completed June 2019; Phased Plan (2021-2037) for replacing Solids Handling technology and adding Nutrient Reduction - \$427.6M; O&M Cost Projections - \$2.5M reduction as project moves through phases (2021-2037)
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	--	--
Council Bluffs	N	Y	Missouri River	\$30.00/1,000 gal.	Required. Study complete.	Estimated at approximately \$50 Million.
Davenport	N	Y	Mississippi River	Domestic Septic: \$40/1,000 gal.; Non-Domestic Septic: \$60/1,000 gal.; Domestic Grease: \$40/1,000 gal.; B-Grease: \$8.00/1,000 gal.	Required. Study complete.	Phosphorus Reduction: Close to meeting 1 mg/l - \$7.3M Wet Weather Optimization Project including an anoxic zone in aeration; Nitrogen Reduction: Estimate of \$100M to construct the secondary treatment system to meet N limits.
Des Moines	Y	Y	Des Moines River	Domestic: \$148.10/1,000 gal.; Non-Domestic: \$222.20/1,000 gal.; FOG Rate: \$17.40/1,000 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)
Fairfield	N	N	Crow Creek	--	--	--
Fort Dodge	N	Y	Des Moines River	>100mg/l = \$1.25/lb.	Required. Study complete.	No limits; compliance schedule per USW
Fort Madison	N	Y	Mississippi River	\$70.00/1,000 gal.	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.	--
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	Required.	--
Keokuk	N	Y	Mississippi River	\$79/1,000 gal.	Required. Study not complete.	--
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: \$497.82/1,000 gal.; Non-Domestic Grease: \$746.72/1,000 gal.; Domestic Septage: \$331.88/1,000 gal.; Non-Domestic Septage: \$497.82/1,000 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	Sanitary/Septic: \$25 per load + \$80/1,000 gal.	Required. Study not complete.	--
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: \$5,998,000
Pleasant Hill	Y*	Y*	Des Moines River	See DSM - WRA	--	--
Sioux City	Y	Y	Missouri River	Septage: \$37.78/load; Wastewater: \$149/1000 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.
Waukeee	Y*	Y*	Sugar Creek	See DSM - WRA	--	--
Waverly	N	N	Cedar River	FOG not accepted; Septic tank cleaning: \$10/load	Required. Study complete.	\$9,140,000 construction starts April 2021
West Des Moines	Y*	Y*	Raccoon River	See DSM - WRA	--	--

*Program administered by the DSM WRA

2020 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	\$1.4476/lb.	N/A	\$1.2233/lb.	N/A	N/A	N/A	N/A	\$72-\$949/up to 2k gal.
Cedar Falls	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	\$13.00/1,000 gal.
Cedar Rapids	N/A	N/A	>42 lbs./day = \$0.1615/lb.	>52 lbs./day = \$0.1355/lb.	N/A	>6 lbs./day = \$0.6431/lb.	N/A	N/A	\$160.08/1,000 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	\$40/1,000 gal.
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	\$50/1,000 gal.
Fairfield	N/A	>200 mg/l = \$0.2625/lb.	N/A	>250 mg/l = \$0.2917/lb.	>30 mg/l = \$0.8752/lb.	N/A	N/A	N/A	N/A
Fort Dodge	N/A	>250 mg/l = \$0.38/lb.	N/A	>250 mg/l = \$0.38/lb.	>20 mg/l = \$2.30/lb.	N/A	N/A	N/A	>100 mg/l = \$1.25/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	\$70.00/1,000 gal.
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 = \$0.284 - \$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	N/A	N/A	\$0.207/lb.	\$0.202/lb.	N/A	N/A	N/A	N/A	\$79/1,000 gal.
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 = \$0.465/lb.	N/A	>240 mg/l = \$0.518/lb.	>50 mg/l = \$3.982/lb.	N/A	N/A	N/A	\$497.82/1,000 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 = \$0.319/lb.	N/A	>300 mg/l = \$0.354/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 = \$0.282 - \$0.564/lb.	N/A	>300 mg/l = \$0.115 - \$0.231/lb.	N/A	>100 mg/l = \$0.2 lbs/day	N/A	N/A	>100 mg/l = \$0.194/lb - \$0.389/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 = \$29.63	N/A	>42 lbs./day = \$20.26	N/A	N/A	N/A	N/A	N/A
West Des Moines				See DSM - WRA					

2020 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	Considering				Implemented		Implemented	Temporarily suspended termination of services for non-payment.
Boone							Considering	
Cedar Falls					Implemented			
Cedar Rapids			Implemented		Implemented		Implemented	Considering extended payment plans and debt forgiveness options.
Clive					Implemented		Implemented	
Council Bluffs					Implemented			
Indianola					Implemented			
Johnston					Implemented			
Keokuk					Implemented		Implemented	
Storm Lake					Implemented		Implemented	