



National and State Trends

Data sources include:

- 2018 Cost of Clean Water Index
 National Association of Clean Water Agencies
- 2019 Water and Wastewater Rate Survey
 American Water Works Association
- 2020 Iowa Water and Wastewater Rate Survey
 City of Ames Water and Pollution Control



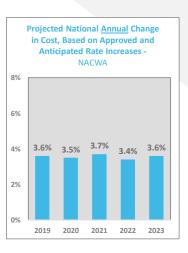
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National Trends

2018 Cost of Clean Water Index, NACWA

- Average annual wastewater bill has doubled nationally in last 15 years
- Wastewater utilities expect charges to increase from 3.4% to 3.7% per year for the next 5 years
- Nationally, the average increase in 2018 was 1.6x the rate of inflation

(17 $^{\rm th}$ consecutive year that sewer rates nationally have outpaced inflation)



National Trends

2019 Water & Wastewater Rate Survey, American Water Works Association

- 79% of Drinking Water Utilities nationally have increased rates in the past two years
- 77% of Wastewater Utilities nationally have increased rates in the past two years
- Lowest costs for both water and sewer were in the Midwest



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National Trends

2014 to 2019

Average Annual Increase in Water Rates: 4.8%

Average Annual Increase in Sewer Rates: 4.1%

Average Annual Increase in CPI: 2.0%

Sources: 2014 Water and Wastewater Rate Survey, AWWA/Raftelis Financial Consultants
2019 Water and Wastewater Rate Survey, AWWA/Raftelis Financial Consultants



Recent Rate Adjustments in Ames

	Water	Sewer
FY 16/17		
FY 17/18		
FY 18/19	3.5%	3%
FY 19/20	7%	
FY 20/21	2%	5%
Annual Average	2.5%	1.6%

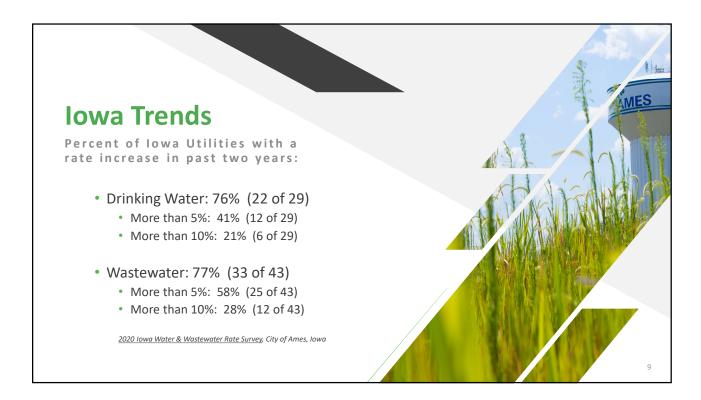


Ames Trends vs. National Trends

Water National Average Annual Increase: Ames Average Annual Increase:	4.8% 2.5%
Sewer National Average Annual Increase: Ames Average Annual Increase:	4.1% 1.6%
Average Annual Increase in CPI:	2.0%

National and CPI Data: 2014 – 2019 Ames Data: 2016 – 2020

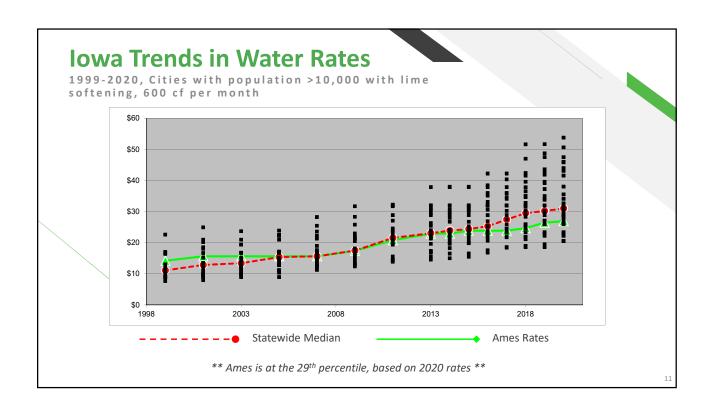


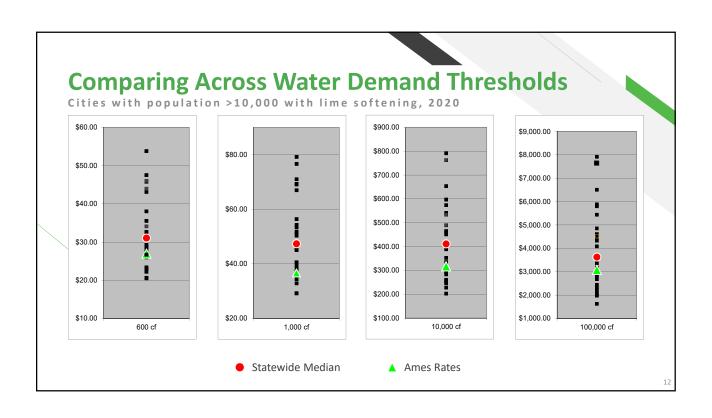


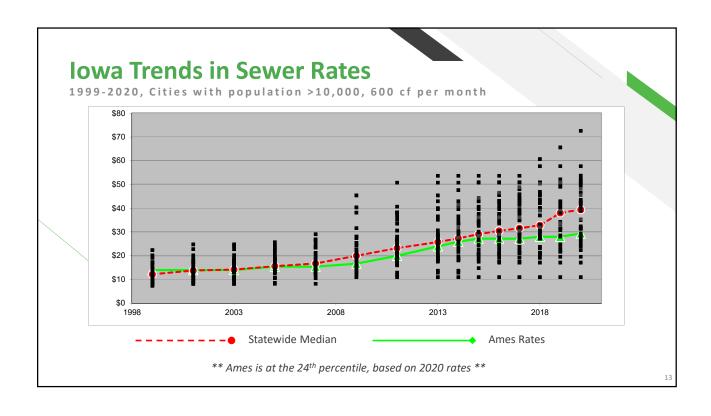
Ames Trends vs. Iowa Trends

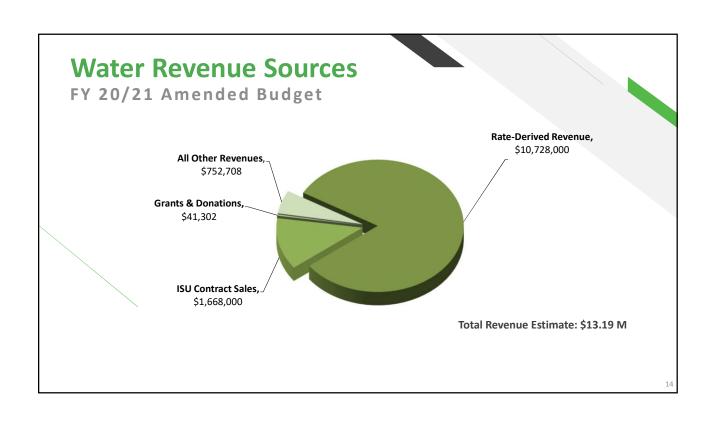
2016-2020 Trends					
<u>Water</u>					
Iowa Average Annual Increase:	5.6%				
Ames Average Annual Increase:	2.6%				
<u>Sewer</u>					
lowa Average Annual Increase:	7.3%				
Ames Average Annual Increase:	1.6 %				
Average Annual Increase in CPI:	2.0%				
a, Ames, and CPI Data: 2016 – 2020					

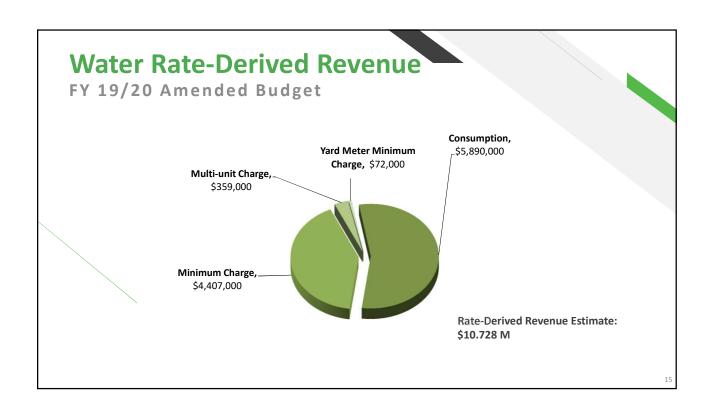


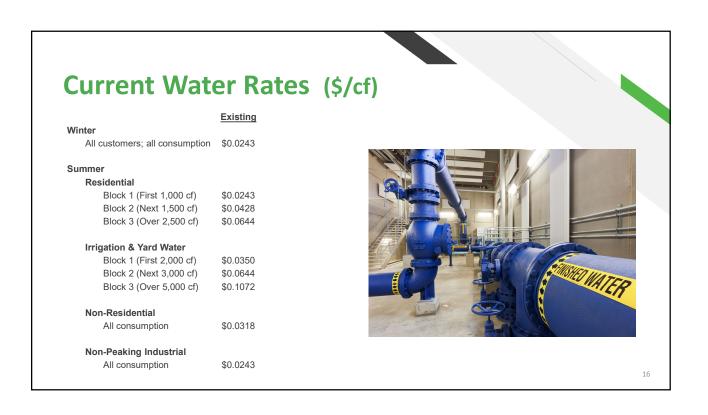


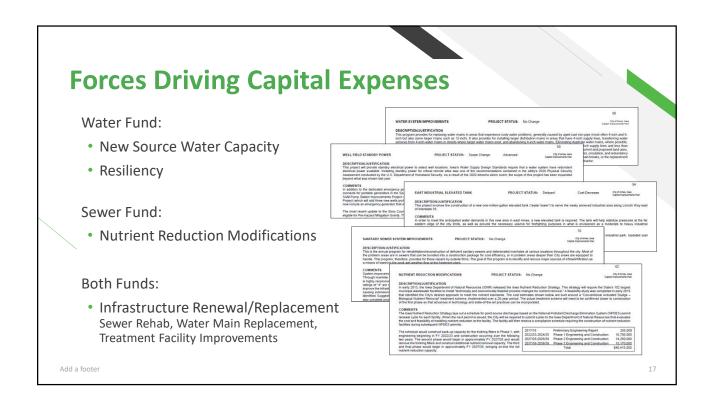


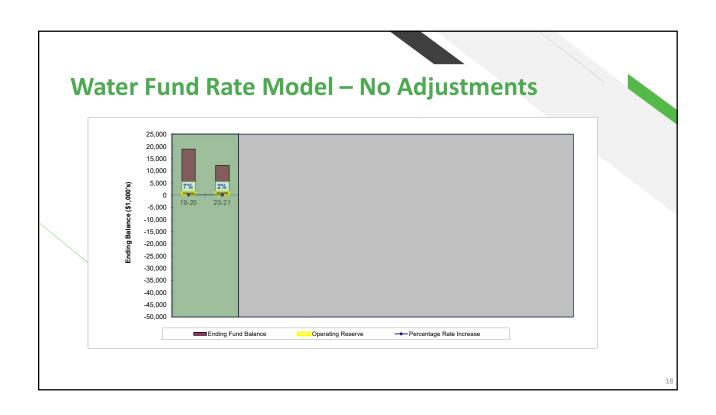












Guiding Philosophy on Rates

- Rate increases should be done with smaller percentage increases on a more frequent basis, as opposed to larger increases on a less frequent basis.
- Slowly grow the operating reserve in each Fund over time until it reaches 25% of the Fund's annual operating expenses

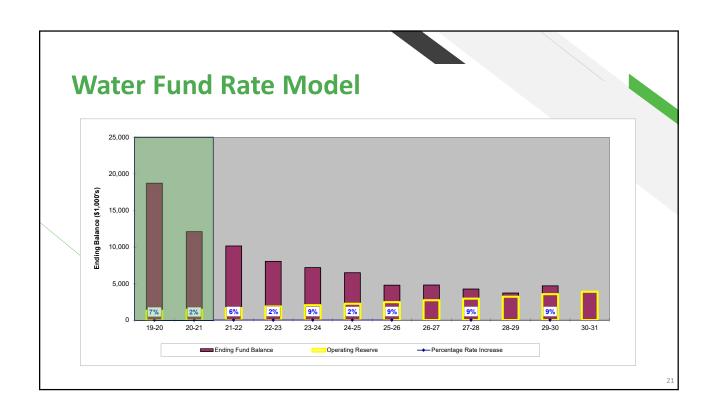


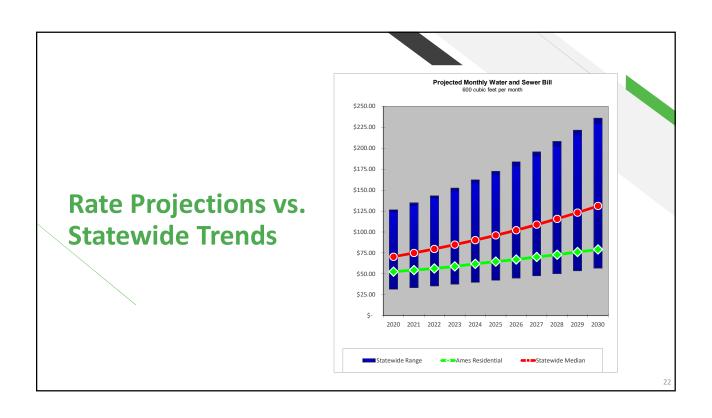
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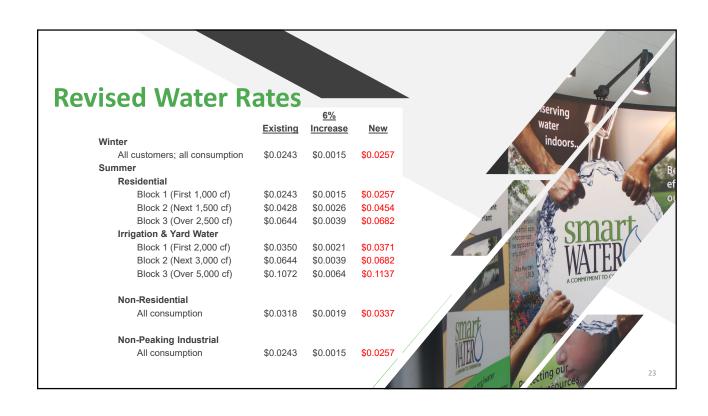
Water and Sewer Rate Projections

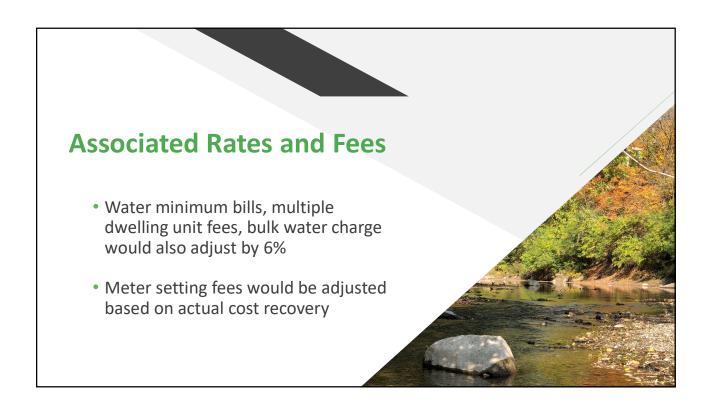
	Last Year	Current Year	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
	19-20	20-21	21-22	22-23	23-24	24-25	25-26	26-27	27-28	28-29	29-30	30-31
Water Fund	7%	2%	6%	2%	9%	2%	9%		9%		9%	
Sewer Fund		5%		5%		8%		8%		8%		9%











Median Use Residential

	Electric	Storm	Water		
Electric / Water Use	Summer	Water	Summer	Sewer	Total
600 kWh and 600 cf	\$81.10	\$4.95	\$26.98	\$29.34	\$142.37
Electric ECA	-\$4.32				-\$4.32
Totals	\$76.78	\$4.95	\$26.98	\$29.34	\$138.05
Increase Due to Rate Change	\$0.00	\$0.00	\$1.62	\$0.00	\$1.62
Totals	\$76.78	\$4.95	\$28.60	\$29.34	\$139.67
% Impact on Total Bill					1.17%

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Recommended Action & Timeline

- Adopt on first reading, an ordinance to:
 - Adjust Water Rates by 6%
 - New rates effective for bills mailed on or after July 1, 2021
- Timeline
 - First reading on March 23
 - Second reading on April 13
 - Third reading and adoption on April 27





Minimal Use Residential

Electric / Water Use	Electric Summer	Storm Water	Water Summer	Sewer	Total
100 kWh and 100 cf	\$20.45	\$4.95	\$14.83	\$14.54	\$54.77
Electric ECA	-\$0.72				-\$0.72
Totals	\$19.73	\$4.95	\$14.83	\$14.54	\$54.05
Increase Due to Rate Change	\$0.00	\$0.00	\$0.89	\$0.00	\$0.89
Totals	\$19.73	\$4.95	\$15.72	\$14.54	\$54.94
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% Impact on Total Bill					1.65%

Sample Customer Bill Median Use Residential

	Electric	Storm	Water		
Electric / Water Use	Summer	Water	Summer	Sewer	Total
600 kWh and 600 cf	\$81.10	\$4.95	\$26.98	\$29.34	\$142.37
Electric ECA	-\$4.32				-\$4.32
Totals	\$76.78	\$4.95	\$26.98	\$29.34	\$138.05
Increase Due to Rate Change	\$0.00	\$0.00	\$1.62	\$0.00	\$1.62
Totals	\$76.78	\$4.95	\$28.60	\$29.34	\$139.67
% Impact on Total Bill					1.17%

Sample Customer Bill

Large Residential

	Electric	Storm	Water	_	
Electric / Water Use	Summer	Water	Summer	Sewer	Total
1,000 kWh and 1,000 cf	\$129.62	\$4.95	\$36.70	\$41.18	\$212.45
Electric ECA	-\$7.20				-\$7.20
Totals	\$122.42	\$4.95	\$36.70	\$41.18	\$205.25
Increase Due to Rate Change	\$0.00	\$0.00	\$2.20	\$0.00	\$2.20
Totals	\$122.42	\$4.95	\$38.90	\$41.18	\$207.45
					·
% Impact on Total Bill					1.07%

Small Commercial (GP)

	Electric	Storm	Water		
Electric / Water Use	Summer	Water	Summer	Sewer	Total
2,000 kWh and 600 cf	\$254.40	\$4.95	\$31.48	\$29.34	\$320.17
Electric ECA	-\$14.40				-\$14.40
Totals	\$240.00	\$4.95	\$31.48	\$29.34	\$305.77
Increase Due to Rate Change	\$0.00	\$0.00	\$1.89	\$0.00	\$1.89
Totals	\$240.00	\$4.95	\$33.37	\$29.34	\$307.66
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% Impact on Total Bill					0.62%

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Sample Customer Bill

Small Commercial (GP)

Electric / Water Use	Electric Summer	Storm Water	Water Summer	Sewer	Total
5,000 kWh and 1,000 cf Electric ECA	\$612.60 -\$36.00	\$4.95	\$44.20	\$41.18	\$702.93 -\$36.00
Totals	\$576.60	\$4.95	\$44.20	\$41.18	\$666.93
Increase Due to Rate Change	\$0.00	\$0.00	\$2.65	\$0.00	\$2.65
Totals	\$576.60	\$4.95	\$46.85	\$41.18	\$669.58
% Impact on Total Bill					0.40%

Small Commercial (GP)

	Electric	Storm	Water		
Electric / Water Use	Summer	Water	Summer	Sewer	Total
10,000 kWh and 3,000 cf	\$1,209.60	\$9.90	\$120.21	\$100.38	\$1,440.09
Electric ECA	-\$72.00				-\$72.00
Totals	\$1,137.60	\$9.90	\$120.21	\$100.38	\$1,368.09
Increase Due to Rate Change	\$0.00	\$0.00	\$7.21	\$0.00	\$7.21
Totals	\$1,137.60	\$9.90	\$127.42	\$100.38	\$1,375.30
					,
% Impact on Total Bill					0.53%

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Sample Customer Bill

Commercial (LP)

	Electric	Storm	Water		
Electric / Water Use	Summer	Water	Summer	Sewer	Total
20,000 kWh and 5,000 cf	\$2,181.81	\$9.90	\$183.81	\$159.58	\$2,535.10
Electric ECA	-\$144.00				-\$144.00
Totals	\$2,037.81	\$9.90	\$183.81	\$159.58	\$2,391.10
Increase Due to Rate Change	\$0.00	\$0.00	\$11.03	\$0.00	\$11.03
Totals	\$2,037.81	\$9.90	\$194.84	\$159.58	\$2,402.13
					,
% Impact on Total Bill					0.46%

Commercial (LP)

	Electric	Storm	Water		
Electric / Water Use	Summer	Water	Summer	Sewer	Total
60,000 kWh and 15,000 cf	\$6,221.55	\$14.85	\$526.62	\$455.58	\$7,218.60
Electric ECA	-\$432.00				-\$432.00
Totals	\$5,789.55	\$14.85	\$526.62	\$455.58	\$6,786.60
Increase Due to Rate Change	\$0.00	\$0.00	\$31.60	\$0.00	\$31.60
Totals	\$5,789.55	\$14.85	\$558.22	\$455.58	\$6,818.20
					,
% Impact on Total Bill					0.47%

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Sample Customer Bill

Commercial (LP)

	Electric	Storm	Water		
Electric / Water Use	Summer	Water	Summer	Sewer	Total
100,000 kWh and 20,000 cf	\$10,284.95	\$44.55	\$735.25	\$603.58	\$11,668.33
Electric ECA	-\$720.00				-\$720.00
Totals	\$9,564.95	\$44.55	\$735.25	\$603.58	\$10,948.33
Increase Due to Rate Change	\$0.00	\$0.00	\$44.12	\$0.00	\$44.12
Totals	\$9,564.95	\$44.55	\$779.37	\$603.58	\$10,992.45
% Impact on Total Bill					0.40%