

City of Bethany
Billing Analysis Summary

Rate Analysis

Water Utility

	Existing Rate Charge	Proposed Rate Charge
Residential		
Base Rate (Includes 1st 1000 Gallons)	17.82	19.60
Volumetric (Next 9000 Gallons)	3.25	4.63
Volumetric (Next 10000 Gallons)	3.69	6.64
Volumetric (Over 20000 Gallons)	4.43	8.86

Commercial

Base Rate (Includes 1st 1000 Gallons)	18.82	20.70
Volumetric (Next 9000 Gallons)	3.25	4.63
Volumetric (Next 10000 Gallons)	3.69	6.64
Volumetric (Over 20000 Gallons)	5.19	10.38

Projected Additional Revenues Generated from Adjustment \$ 1,268,808

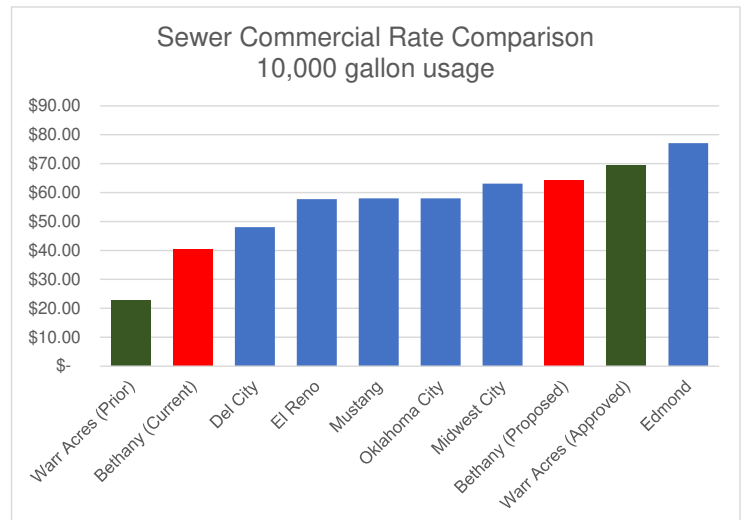
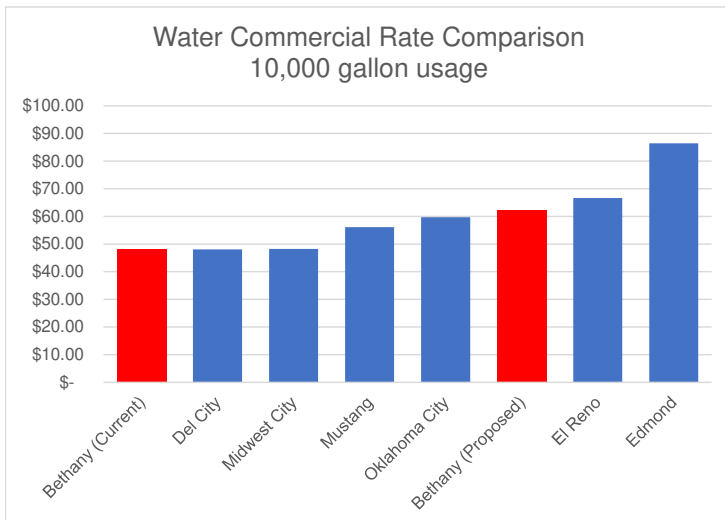
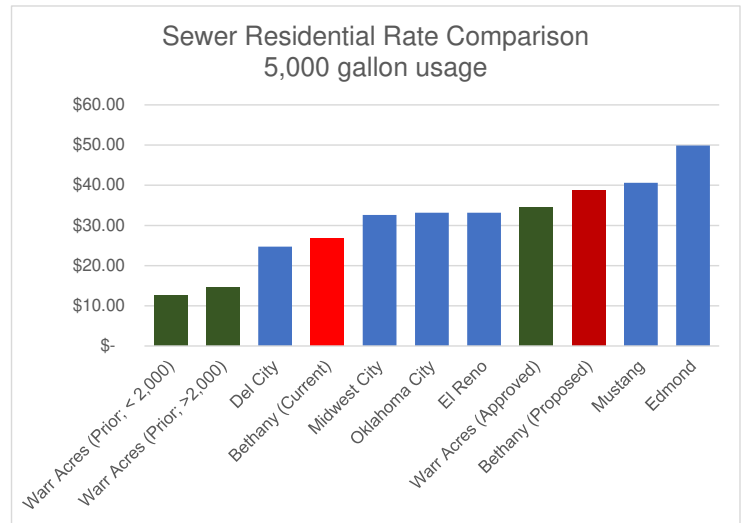
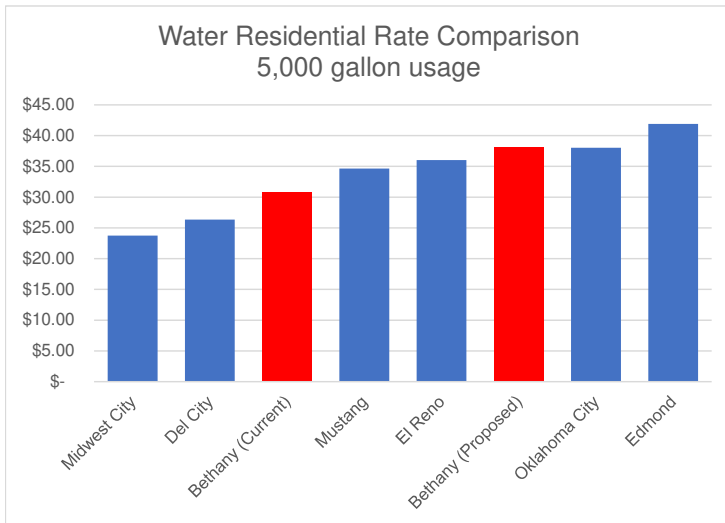
Sewer Utility

	Existing Rate Charge	Proposed Rate Charge
Residential		
Base Rate (Includes 1st 1000 Gallons)	15.79	17.37
Volumetric (Per 1000 Gallons)	2.17	4.25

Commercial

Base Rate (Includes 1st 1000 Gallons)	17.12	18.83
Volumetric (Per 1000 Gallons)	2.32	4.55

Projected Additional Revenues Generated from Adjustment \$ 1,500,088



Infrastructure and Operational Demands

Operating Deficiency - July Utility Rate Presentation Annual Demand
\$ 1,264,676

Water System Infrastructure\Capital Needs (20 Year Projection)

	Cost Estimate	ARPA Funded	Annual Utility Revenue Funded	Debt Funded
Water Well Field Rehab	4,600,000	4,600,000	-	-
AMR	3,000,000	1,500,000	-	1,500,000
Water Service Line Replacement	6,350,000	-	-	6,350,000
Waterline Replacement (Up to 12")	20,250,000	-	-	20,250,000
WTP (2 Million Gal Tank)	750,000	-	-	750,000
BPS (2 Million Gal Tank)	1,050,000	-	-	1,050,000
Elevated Storage Tanks	1,750,000	-	-	1,750,000
WTP Minor Improvements	235,000	-	235,000	-
Booster Pump Station - New Pumps and Motors	2,500,000	-	-	2,500,000
Well Field Maintenance	950,000	-	950,000	-
Total	41,435,000	6,100,000	1,185,000	34,150,000

Sewer System Infrastructure\Capital Needs (20 Year Projection)

Bethany Warr Acres WWTP Improvement Needs

Hypothetical WWTP Infrastructure Costs (to be determined from Cowan Report)	Bethany Portion (2/3)
5,000,000	3,333,333
10,000,000	6,666,667
16,250,000	10,833,333
30,000,000	20,000,000
40,000,000	26,666,667

Aggregate Debt Funded	5,000,000	\$ 37,483,333	
	10,000,000	40,816,667	
	16,250,000	44,983,333	1,501,735
	30,000,000	54,150,000	
	40,000,000	60,816,667	

Aggregate Annual Needs	\$ 2,766,411
Revenues from Water Rate Adjustment	\$ 1,268,808
Revenues from Sewer Rate Adjustment	\$ 1,500,088
Over/(Short)	\$ 2,486

* Above projections are based on the BWA sewer infrastructure costs of \$16,250,000. This does not include Bethany sewer line and lift station improvements or future ambulance service increases.