

Spreadsheet #1

Aqua - A Comparison of Old Rates vs. New Rates, 4,500 gallons, 1 inch meter in the Ivanhoe Division

Gallons	4,500	
Old or New Rates	Old	New
Water Charge	11.05	33.15
W Usage Charge	8.02	29.43
Sewer Charge	6.28	32.93
S Usage Charge	4.55	32.97
Fire Protection	0.00	16.60
Total Cost	\$29.90	\$145.08

% New rate of Old rate 485%

Note: ICC Tax not included in Total Cost

OFFICIAL FILE
 I.C.C. DOCKET NO. 12 0483
Crysl Exhibit No. 5
 Witness _____
 Date 11/5/12 Reporter _____

Spreadsheet #2

Aqua - A Comparison of Old Rates vs. New Rates, 1 inch meter in the Ivanhoe Division

Gallons	2,600		3,000		4,000		4,500		5,000		6,000	
	Old	New										
Water Charge	11.05	33.15	11.05	33.15	11.05	33.15	11.05	33.15	11.05	33.15	11.05	33.15
W Usage Charge	0.00	17.00	1.69	19.62	5.91	26.16	8.02	29.43	10.13	32.70	14.35	39.24
Sewer Charge	6.28	32.93	6.28	32.93	6.28	32.93	6.28	32.93	6.28	32.93	6.28	32.93
S Usage Charge	0.00	19.05	0.96	21.98	3.36	29.30	4.55	32.97	5.75	36.63	8.15	43.95
Fire Protection	0.00	16.60	0.00	16.60	0.00	16.60	0.00	16.60	0.00	16.60	0.00	16.60
Total Cost	\$17.33	\$118.73	\$19.98	\$124.28	\$26.60	\$138.14	\$29.90	\$145.07	\$33.21	\$152.01	\$39.83	\$165.87

% New vs. Old Total Cost: 685% 622% 519% 485% 458% 416%

% customer charges are of
New Total Cost: 70% 67% 60% 57% 54% 50%

Revenue Split %	Service	Usage										
Water	66.1	33.9	62.8	37.2	55.9	44.1	53.0	47.0	50.3	49.7	45.8	54.2
Sewer	63.4	36.6	60.0	40.0	52.9	47.1	50.0	50.0	47.3	52.7	42.8	57.2

water service=water charge divided by total of water charge plus w usage charge, as a percentage
water usage=w usage charge divided by total of water charge plus w usage charge, as a percentage
sewer service=sewer charge divided by total of sewer charge plus s usage charge, as a percentage
sewer usage=s usage charge divided by total of sewer charge plus s usage charge, as a percentage

	\$ per gallon		New rate as a % of Old rate
Water Old rate	0.0042210	after 2600 gallons	
Water New Rate	0.0065394		155%
Sewer Old rate	0.0023970	after 2600 gallons	
Sewer New rate	0.0073258		306%

Note: ICC Tax not included in Total Cost

Spreadsheet #2

Aqua - A Comparison of Old Rates vs. New Rates, 1 inch meter in the Ivanhoe Division

Gallons	7,000		8,000		9,000		10,000	
	Old	New	Old	New	Old	New	Old	New
Water Charge	11.05	33.15	11.05	33.15	11.05	33.15	11.05	33.15
W Usage Charge	18.57	45.78	22.79	52.32	27.01	58.85	31.24	65.394
Sewer Charge	6.28	32.93	6.28	32.93	6.28	32.93	6.28	32.93
S Usage Charge	10.55	51.28	12.94	58.61	15.34	65.93	17.74	73.26
Fire Protection	0.00	16.60	0.00	16.60	0.00	16.60	0.00	16.60
Total Cost	\$46.45	\$179.74	\$53.07	\$193.60	\$59.69	\$207.47	\$66.30	\$221.33

% New vs. Old Total Cost: 387% 365% 348% 334%

% customer charges are of
New Total Cost: 46% 43% 40% 37%

Revenue Split %	Service	Usage	Service	Usage	Service	Usage	Service	Usage
Water	42.0	58.0	38.8	61.2	36.0	64.0	33.6	66.4
Sewer	39.1	60.9	36.0	64.0	33.3	66.7	31.0	69.0

Spreadsheet #3

Aqua - Comparison of New Rates vs. University Park New Rates, 1 inch meter

Gallons	Ivanhoe Consolidated		University Park	
	5,000		5,000	
Old or New Rates	Old	New	Old	New
Water Charge	11.05	33.15		20.39
W Usage Charge	10.13	32.70		16.38
Sewer Charge	6.28	32.93		31.75
S Usage Charge	5.75	36.63		19.97
Fire Protection	0.00	16.60		16.60
Total Cost	\$33.21	\$152.01		\$105.08

Total Cost would be \$46.93 lower in University Park, a 30% reduction

Note: ICC Tax not included in Total Cost

Spreadsheet #4

Aqua - A Comparison of rates at varying meter sizes in the Ivanhoe Division, 5,000 gallons

	5/8 inch		3/4 inch		1 inch		1 1/2 inch	
Gallons	5,000		5,000		5,000		5,000	
Old or New Rates	Old	New	Old	New	Old	New	Old	New
Water Charge		14.86		20.58		33.15		62.87
W Usage Charge		32.70		32.70		32.70		32.70
Sewer Charge		32.93		32.93		32.93		32.93
S Usage Charge		36.63		36.63		36.63		36.63
Fire Protection		6.64		9.96		16.60		33.20
Total Cost		\$123.76		\$132.80		\$152.01		\$198.33

\$ increase from 5/8 inch	\$0.00	\$9.04	\$28.25	\$74.57
Total Cost:				
% Total Cost of 5/8 inch meter's	100%	107%	123%	160%
Total Cost:				
% customer charges are of	44%	48%	54%	65%
Total Cost:				

Revenue Split %	Service	Usage	Service	Usage	Service	Usage	Service	Usage
Water	31.2	68.8	38.6	61.4	50.3	49.7	65.8	34.2
Sewer	47.3	52.7	47.3	52.7	47.3	52.7	47.3	52.7

water service=water charge divided by total of water charge plus w usage charge, as a percentage
 water usage=w usage charge divided by total of water charge plus w usage charge, as a percentage
 sewer service=sewer charge divided by total of sewer charge plus s usage charge, as a percentage
 sewer usage=s usage charge divided by total of sewer charge plus s usage charge, as a percentage

Note: ICC Tax not included in Total Cost

Note: 1 1/2 inch meters may be required by building code for fire sprinkler