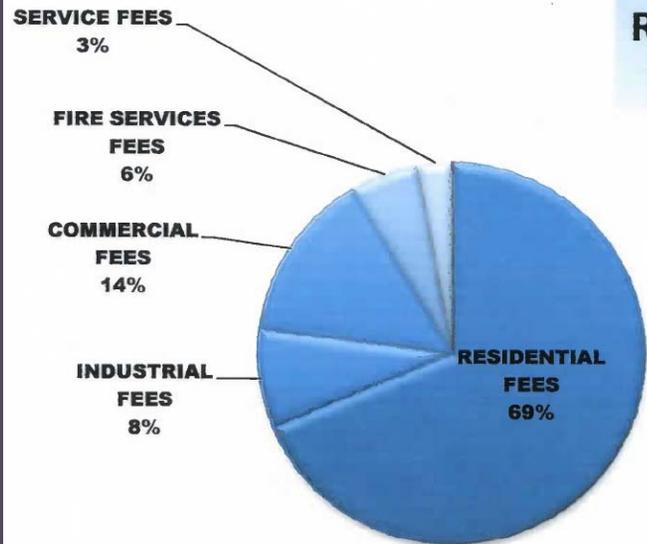


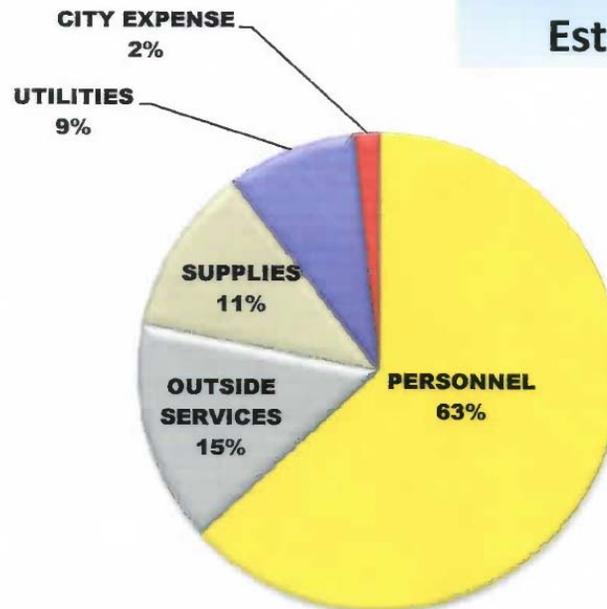
Water Operations

FWSC - 2016
Water Operations
Revenue Sources
Est. \$1,724,900



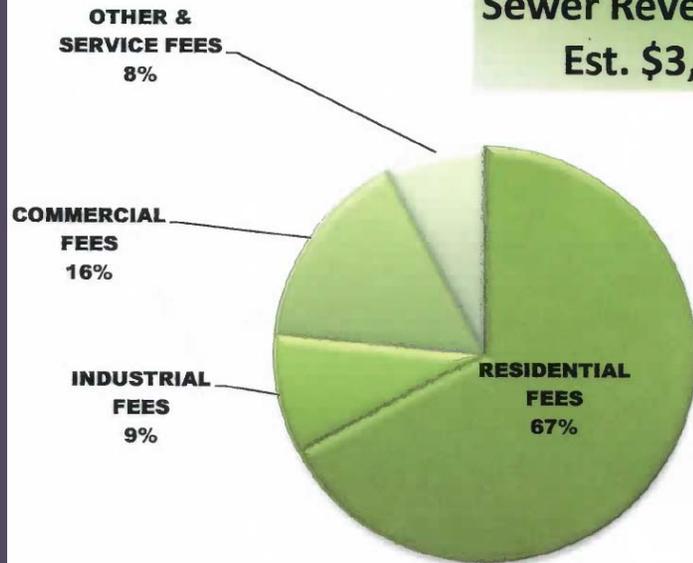
Revenue vs. Expense - **5.5 %**

FWSC - 2016
Water Expense Sources
Est. \$1,819,000



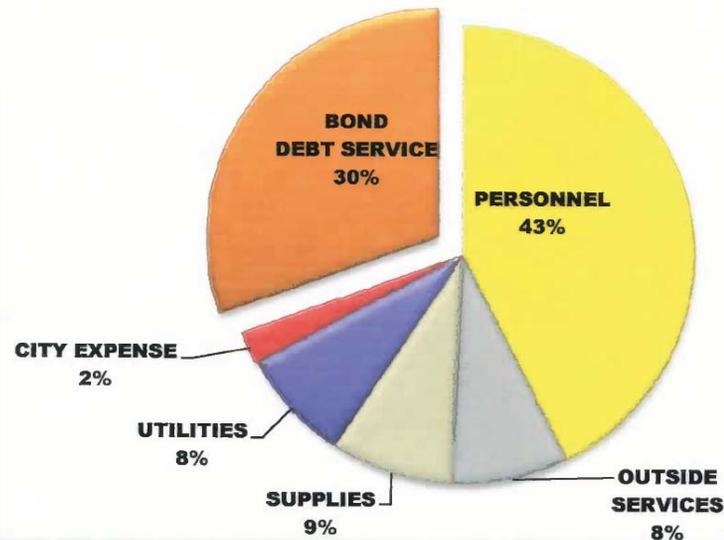
Sewer Operations

FWSC - 2016
Sewer Revenue Sources
Est. \$3,286,000



Revenue vs. Expense -5.62%

FWSC - 2016
Sewer Expense Sources
Est. \$3,471,000



Residential User Example #1

10% O&M, 5% Max Inflation, CIP Increase - \$2, \$4, \$4, \$4, \$4, \$4, \$4

Current Low User Billing (2,500 GAL)	
Total Water/Sewer	\$ 38.30
Total Monthly Bill	\$ 54.66

May 1, 2017 Low User Billing			
Total Water/Sewer	\$ 43.65	\$ 5.34	13.9%
Estimated Monthly Bill	\$ 60.01		

May 1, 2018 Low User Billing			
Total Water/Sewer	\$ 48.92	\$ 5.28	12.1%
Estimated Monthly Bill	\$ 65.47		

May 1, 2019 Low User Billing			
Total Water/Sewer	\$ 54.25	\$ 5.33	10.9%
Estimated Monthly Bill	\$ 70.98		

May 1, 2020 Low User Billing			
Total Water/Sewer	\$ 59.66	\$ 5.41	10.0%
Estimated Monthly Bill	\$ 76.58		

May 1, 2021 Low User Billing			
Total Water/Sewer	\$ 65.14	\$ 5.49	9.2%
Estimated Monthly Bill	\$ 82.26		

May 1, 2022 Low User Billing			
Total Water/Sewer	\$ 70.71	\$ 5.57	8.5%
Estimated Monthly Bill	\$ 88.02		

May 1, 2023 Low User Billing			
Total Water/Sewer	\$ 76.33	\$ 5.62	8.0%
Estimated Monthly Bill	\$ 93.85		

May 1, 2024 Low User Billing			
Total Water/Sewer	\$ 78.04	\$ 1.71	2.2%
Estimated Monthly Bill	\$ 95.76		

Eight Year Summary			
Initial O&M Increase	\$ 2.23		5.8%
CIP Increase	\$ 26.00		67.9%
Max O&M Inflation Increase	\$ 11.50		30.0%
Total \$ Increase and % Increase	\$ 39.73		103.7%

Total New 3 - Year CIP Revenue	\$ 2,484,000.00
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Current Average User Billing (5,000 GAL)	
Total Water/Sewer	\$ 51.44
Total Monthly Bill	\$ 67.80

May 1, 2017 Average User Billing			
Total Water/Sewer	\$ 58.75	\$ 7.31	14.2%
Estimated Monthly Bill	\$ 75.11		

May 1, 2018 Average User Billing			
Total Water/Sewer	\$ 64.77	\$ 6.03	10.3%
Estimated Monthly Bill	\$ 81.32		

May 1, 2019 Average User Billing			
Total Water/Sewer	\$ 70.88	\$ 6.10	9.4%
Estimated Monthly Bill	\$ 87.61		

May 1, 2020 Average User Billing			
Total Water/Sewer	\$ 77.11	\$ 6.23	8.8%
Estimated Monthly Bill	\$ 94.03		

May 1, 2021 Average User Billing			
Total Water/Sewer	\$ 83.47	\$ 6.36	8.2%
Estimated Monthly Bill	\$ 100.59		

May 1, 2022 Average User Billing			
Total Water/Sewer	\$ 89.96	\$ 6.49	7.8%
Estimated Monthly Bill	\$ 107.27		

May 1, 2023 Average User Billing			
Total Water/Sewer	\$ 96.53	\$ 6.57	7.3%
Estimated Monthly Bill	\$ 114.05		

May 1, 2024 Average User Billing			
Total Water/Sewer	\$ 99.24	\$ 2.71	2.8%
Estimated Monthly Bill	\$ 116.96		

Eight Year Summary			
Initial O&M Increase	\$ 3.55		6.9%
CIP Increase	\$ 26.00		50.5%
Max O&M Inflation Increase	\$ 18.25		35.5%
Total \$ Increase and % Increase	\$ 47.80		92.9%

Average Rate Under the Affordability Threshold	\$ 1.34
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Current High User Billing (7,500 GAL)	
Total Water/Sewer	\$ 64.57
Total Monthly Bill	\$ 80.93

May 1, 2017 High User Billing			
Total Water/Sewer	\$ 73.85	\$ 9.27	14.4%
Estimated Monthly Bill	\$ 90.21		

May 1, 2018 High User Billing			
Total Water/Sewer	\$ 80.62	\$ 6.78	9.2%
Estimated Monthly Bill	\$ 97.17		

May 1, 2019 High User Billing			
Total Water/Sewer	\$ 87.50	\$ 6.88	8.5%
Estimated Monthly Bill	\$ 104.23		

May 1, 2020 High User Billing			
Total Water/Sewer	\$ 94.56	\$ 7.06	8.1%
Estimated Monthly Bill	\$ 111.48		

May 1, 2021 High User Billing			
Total Water/Sewer	\$ 101.79	\$ 7.24	7.7%
Estimated Monthly Bill	\$ 118.91		

May 1, 2022 High User Billing			
Total Water/Sewer	\$ 109.21	\$ 7.42	7.3%
Estimated Monthly Bill	\$ 126.52		

May 1, 2023 High User Billing			
Total Water/Sewer	\$ 116.73	\$ 7.52	6.9%
Total Monthly Bill	\$ 134.25		

May 1, 2024 High User Billing			
Total Water/Sewer	\$ 120.44	\$ 3.71	3.2%
Estimated Monthly Bill	\$ 138.16		

Eight Year Summary			
Initial O&M Increase	\$ 4.86		7.5%
CIP Increase	\$ 26.00		40.3%
Max O&M Inflation Increase	\$ 25.01		38.7%
Total \$ Increase and % Increase	\$ 55.87		86.5%

Total Timeframe to Complete	40.6 Years
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Water & Sewer – First 3 Years

CIP Revenue	\$ 4,098,000	% of Budget
Replace 1.7 Miles of Watermain	\$ 1,430,000	34.9%
Line Sanitary Sewer	\$ 0	0%
Replace Lead Services	\$ 0	0%
Replace 7 Water/Rail Crossings	\$ 1,000,000	24.4%
Tank Rehabs & New Well	\$ 0	0%
Replace 1 Miles of Forcemain	\$ 675,000	16.5%
Equipment/Tech Replacements	\$ 500,000	12.2%
Engineering w/ Well Design	\$ 493,000	12.0%
Total CIP Cost	\$ 4,098,000	100%

*Estimate using current pricing with no inflation

Residential User Example #2

10% O&M, 5% Max Inflation, CIP Increase - \$7, \$7, \$7

Current Low User Billing (2,500 GAL)	
Total Water/Sewer	\$ 38.30
Total Monthly Bill	\$ 54.66

May 1, 2017 Low User Billing			
Total Water/Sewer	\$ 48.65	\$ Increase	% Increase
		\$ 10.34	27.0%
Estimated Monthly Bill	\$ 65.01		

May 1, 2018 Low User Billing			
Total Water/Sewer	\$ 56.92	\$ Increase	% Increase
		\$ 8.28	17.0%
Estimated Monthly Bill	\$ 73.47		

May 1, 2019 Low User Billing			
Total Water/Sewer	\$ 65.25	\$ Increase	% Increase
		\$ 8.33	14.6%
Estimated Monthly Bill	\$ 81.98		

May 1, 2020 Low User Billing			
Total Water/Sewer	\$ 66.66	\$ Increase	% Increase
		\$ 1.41	2.2%
Estimated Monthly Bill	\$ 83.58		

May 1, 2021 Low User Billing			
Total Water/Sewer	\$ 68.14	\$ Increase	% Increase
		\$ 1.49	2.2%
Estimated Monthly Bill	\$ 85.26		

May 1, 2022 Low User Billing			
Total Water/Sewer	\$ 69.71	\$ Increase	% Increase
		\$ 1.57	2.3%
Estimated Monthly Bill	\$ 87.02		

May 1, 2023 Low User Billing			
Total Water/Sewer	\$ 71.33	\$ Increase	% Increase
		\$ 1.62	2.3%
Estimated Monthly Bill	\$ 88.85		

May 1, 2024 Low User Billing			
Total Water/Sewer	\$ 73.04	\$ Increase	% Increase
		\$ 1.71	2.4%
Estimated Monthly Bill	\$ 90.76		

Eight Year Summary			
Initial O&M Increase	\$ 2.23		5.8%
CIP Increase	\$ 21.00		54.8%
Max O&M Inflation Increase	\$ 11.50		30.0%
Total \$ Increase and % Increase	\$ 34.73		90.7%

Total New 3 - Year CIP Revenue	\$ 5,796,000.00
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Current Average User Billing (5,000 GAL)	
Total Water/Sewer	\$ 51.44
Total Monthly Bill	\$ 67.80

May 1, 2017 Average User Billing			
Total Water/Sewer	\$ 63.75	\$ Increase	% Increase
		\$ 12.31	23.9%
Estimated Monthly Bill	\$ 80.11		

May 1, 2018 Average User Billing			
Total Water/Sewer	\$ 72.77	\$ Increase	% Increase
		\$ 9.03	14.2%
Estimated Monthly Bill	\$ 89.32		

May 1, 2019 Average User Billing			
Total Water/Sewer	\$ 81.88	\$ Increase	% Increase
		\$ 9.10	12.5%
Estimated Monthly Bill	\$ 98.61		

May 1, 2020 Average User Billing			
Total Water/Sewer	\$ 84.11	\$ Increase	% Increase
		\$ 2.23	2.7%
Estimated Monthly Bill	\$ 101.03		

May 1, 2021 Average User Billing			
Total Water/Sewer	\$ 86.47	\$ Increase	% Increase
		\$ 2.36	2.8%
Estimated Monthly Bill	\$ 103.59		

May 1, 2022 Average User Billing			
Total Water/Sewer	\$ 88.96	\$ Increase	% Increase
		\$ 2.49	2.9%
Estimated Monthly Bill	\$ 106.27		

May 1, 2023 Average User Billing			
Total Water/Sewer	\$ 91.53	\$ Increase	% Increase
		\$ 2.57	2.9%
Estimated Monthly Bill	\$ 109.05		

May 1, 2024 Average User Billing			
Total Water/Sewer	\$ 94.24	\$ Increase	% Increase
		\$ 2.71	3.0%
Estimated Monthly Bill	\$ 111.96		

Eight Year Summary			
Initial O&M Increase	\$ 3.55		6.9%
CIP Increase	\$ 21.00		40.8%
Max O&M Inflation Increase	\$ 18.25		35.5%
Total \$ Increase and % Increase	\$ 42.80		83.2%

Average Rate Under the Affordability Threshold	\$ 6.34
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Current High User Billing (7,500 GAL)	
Total Water/Sewer	\$ 64.57
Total Monthly Bill	\$ 80.93

May 1, 2017 High User Billing			
Total Water/Sewer	\$ 78.85	\$ Increase	% Increase
		\$ 14.27	22.1%
Estimated Monthly Bill	\$ 95.21		

May 1, 2018 High User Billing			
Total Water/Sewer	\$ 88.62	\$ Increase	% Increase
		\$ 9.78	12.4%
Estimated Monthly Bill	\$ 105.17		

May 1, 2019 High User Billing			
Total Water/Sewer	\$ 98.50	\$ Increase	% Increase
		\$ 9.88	11.1%
Estimated Monthly Bill	\$ 115.23		

May 1, 2020 High User Billing			
Total Water/Sewer	\$ 101.56	\$ Increase	% Increase
		\$ 3.06	3.1%
Estimated Monthly Bill	\$ 118.48		

May 1, 2021 High User Billing			
Total Water/Sewer	\$ 104.79	\$ Increase	% Increase
		\$ 3.24	3.2%
Estimated Monthly Bill	\$ 121.91		

May 1, 2022 High User Billing			
Total Water/Sewer	\$ 108.21	\$ Increase	% Increase
		\$ 3.42	3.3%
Estimated Monthly Bill	\$ 125.52		

May 1, 2023 High User Billing			
Total Water/Sewer	\$ 111.73	\$ Increase	% Increase
		\$ 3.52	3.3%
Total Monthly Bill	\$ 129.25		

May 1, 2024 High User Billing			
Total Water/Sewer	\$ 115.44	\$ Increase	% Increase
		\$ 3.71	3.3%
Estimated Monthly Bill	\$ 133.16		

Eight Year Summary			
Initial O&M Increase	\$ 4.86		7.5%
CIP Increase	\$ 21.00		32.5%
Max O&M Inflation Increase	\$ 25.01		38.7%
Total \$ Increase and % Increase	\$ 50.87		78.8%

Total Timeframe to Complete	46.2 Years
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Water & Sewer – First 3 Years

<u>CIP Revenue</u>	<u>\$ 7,410,000</u>	<u>% of Budget</u>
Replace 4.5 Miles of Watermain	\$ 3,820,000	51.6%
Line Sanitary Sewer	\$ 0	0%
Replace Lead Services	\$ 0	0%
Replace 7 Water/Rail Crossings	\$ 1,000,000	13.5%
Tank Rehabs & New Well	\$ 0	0%
Replace 2 Miles of Forcemain	\$ 1,350,000	18.2%
Equipment/Tech Replacements	\$ 500,000	6.7%
Engineering w/ Well Design	\$ 740,000	10.0%
Total CIP Cost	\$ 7,410,000	100%

*Estimate using current pricing with no inflation

Residential User Example #3

10% O&M, 5% Max Inflation, CIP Increase - \$8, \$8, \$8

Current Low User Billing (2,500 GAL)	
Total Water/Sewer	\$ 38.30
Total Monthly Bill	\$ 54.66

May 1, 2017 Low User Billing		\$ Increase	% Increase
Total Water/Sewer	\$ 49.65	\$ 11.34	29.6%
Estimated Monthly Bill	\$ 66.01		

May 1, 2018 Low User Billing		\$ Increase	% Increase
Total Water/Sewer	\$ 58.92	\$ 9.28	18.7%
Estimated Monthly Bill	\$ 75.47		

May 1, 2019 Low User Billing		\$ Increase	% Increase
Total Water/Sewer	\$ 68.25	\$ 9.33	15.8%
Estimated Monthly Bill	\$ 84.98		

May 1, 2020 Low User Billing		\$ Increase	% Increase
Total Water/Sewer	\$ 69.66	\$ 1.41	2.1%
Estimated Monthly Bill	\$ 86.58		

May 1, 2021 Low User Billing		\$ Increase	% Increase
Total Water/Sewer	\$ 71.14	\$ 1.49	2.1%
Estimated Monthly Bill	\$ 88.26		

May 1, 2022 Low User Billing		\$ Increase	% Increase
Total Water/Sewer	\$ 72.71	\$ 1.57	2.2%
Estimated Monthly Bill	\$ 90.02		

May 1, 2023 Low User Billing		\$ Increase	% Increase
Total Water/Sewer	\$ 74.33	\$ 1.62	2.2%
Estimated Monthly Bill	\$ 91.85		

May 1, 2024 Low User Billing		\$ Increase	% Increase
Total Water/Sewer	\$ 76.04	\$ 1.71	2.3%
Estimated Monthly Bill	\$ 93.76		

Eight Year Summary		
Initial O&M Increase	\$ 2.23	5.8%
CIP Increase	\$ 24.00	62.7%
Max O&M Inflation Increase	\$ 11.50	30.0%
Total \$ Increase and % Increase	\$ 37.73	98.5%

Total New 3 - Year CIP Revenue	\$ 6,624,000.00
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Current Average User Billing (5,000 GAL)	
Total Water/Sewer	\$ 51.44
Total Monthly Bill	\$ 67.80

May 1, 2017 Average User Billing		\$ Increase	% Increase
Total Water/Sewer	\$ 64.75	\$ 13.31	25.9%
Estimated Monthly Bill	\$ 81.11		

May 1, 2018 Average User Billing		\$ Increase	% Increase
Total Water/Sewer	\$ 74.77	\$ 10.03	15.5%
Estimated Monthly Bill	\$ 91.32		

May 1, 2019 Average User Billing		\$ Increase	% Increase
Total Water/Sewer	\$ 84.88	\$ 10.10	13.5%
Estimated Monthly Bill	\$ 101.61		

May 1, 2020 Average User Billing		\$ Increase	% Increase
Total Water/Sewer	\$ 87.11	\$ 2.23	2.6%
Estimated Monthly Bill	\$ 104.03		

May 1, 2021 Average User Billing		\$ Increase	% Increase
Total Water/Sewer	\$ 89.47	\$ 2.36	2.7%
Estimated Monthly Bill	\$ 106.59		

May 1, 2022 Average User Billing		\$ Increase	% Increase
Total Water/Sewer	\$ 91.96	\$ 2.49	2.8%
Estimated Monthly Bill	\$ 109.27		

May 1, 2023 Average User Billing		\$ Increase	% Increase
Total Water/Sewer	\$ 94.53	\$ 2.57	2.8%
Estimated Monthly Bill	\$ 112.05		

May 1, 2024 Average User Billing		\$ Increase	% Increase
Total Water/Sewer	\$ 97.24	\$ 2.71	2.9%
Estimated Monthly Bill	\$ 114.96		

Eight Year Summary		
Initial O&M Increase	\$ 3.55	6.9%
CIP Increase	\$ 24.00	46.7%
Max O&M Inflation Increase	\$ 18.25	35.5%
Total \$ Increase and % Increase	\$ 45.80	89.0%

Average Rate Under the Affordability Threshold	\$ 3.34
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Current High User Billing (7,500 GAL)	
Total Water/Sewer	\$ 64.57
Total Monthly Bill	\$ 80.93

May 1, 2017 High User Billing		\$ Increase	% Increase
Total Water/Sewer	\$ 79.85	\$ 15.27	23.7%
Estimated Monthly Bill	\$ 96.21		

May 1, 2018 High User Billing		\$ Increase	% Increase
Total Water/Sewer	\$ 90.62	\$ 10.78	13.5%
Estimated Monthly Bill	\$ 107.17		

May 1, 2019 High User Billing		\$ Increase	% Increase
Total Water/Sewer	\$ 101.50	\$ 10.88	12.0%
Estimated Monthly Bill	\$ 118.23		

May 1, 2020 High User Billing		\$ Increase	% Increase
Total Water/Sewer	\$ 104.56	\$ 3.06	3.0%
Estimated Monthly Bill	\$ 121.48		

May 1, 2021 High User Billing		\$ Increase	% Increase
Total Water/Sewer	\$ 107.79	\$ 3.24	3.1%
Estimated Monthly Bill	\$ 124.91		

May 1, 2022 High User Billing		\$ Increase	% Increase
Total Water/Sewer	\$ 111.21	\$ 3.42	3.2%
Estimated Monthly Bill	\$ 128.52		

May 1, 2023 High User Billing		\$ Increase	% Increase
Total Water/Sewer	\$ 114.73	\$ 3.52	3.2%
Total Monthly Bill	\$ 132.25		

May 1, 2024 High User Billing		\$ Increase	% Increase
Total Water/Sewer	\$ 118.44	\$ 3.71	3.2%
Estimated Monthly Bill	\$ 136.16		

Eight Year Summary		
Initial O&M Increase	\$ 4.86	7.5%
CIP Increase	\$ 24.00	37.2%
Max O&M Inflation Increase	\$ 25.01	38.7%
Total \$ Increase and % Increase	\$ 53.87	83.4%

Total Timeframe to Complete	41.3 Years
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Water & Sewer – First 3 Years

<u>CIP Revenue</u>	<u>\$ 8,238,000</u>	<u>% of Budget</u>
Replace 5.0 Miles of Watermain	\$ 4,218,000	51.2%
Line Sanitary Sewer	\$ 0	0%
Replace 100 Lead Services	\$ 180,000	2.2%
Replace 7 Water/Rail Crossings	\$ 1,000,000	12.1%
Tank Rehabs & New Well	\$ 0	0%
Replace 2.25 Miles of Forcemain	\$ 1,520,000	18.4%
Equipment/Tech Replacements	\$ 500,000	6.1%
Engineering w/ Well Design	\$ 820,000	10.0%
Total CIP Cost	\$ 8,238,000	100%

*Estimate using current pricing with no inflation