

DULUTH PUBLIC UTILITIES COMMISSION

Tuesday, April 18, 2017

City Council Chambers

AGENDA

1. Roll call
2. Approval of previous meeting minutes
3. Old business:
 - 3.1 Water utility discussion
4. New business:
 - 4.1 Updated utility debt service payments
 - 4.2 Updated utility cash projections
5. Updates from staff
6. Upcoming Council actions
7. Commissioner questions or comments
8. Preview of upcoming business

DULUTH PUBLIC UTILITIES COMMISSION

Meeting Minutes

March 21, 2017

Members Present: Councilor Zack Filipovich, Jen Julsrud, Jim Lewis, Rob Prusak, Councilor Joel Sipress, Jason Thorsell, Councilor Em Westerlund

Members Absent: none

Staff Present: Bob Asleson, Liz Bieter, Leanna Gilbert, Howard Jacobson, Eric Shaffer, Glenn Strid

Call to Order: The meeting was called to order at 5:17 p.m. by President Prusak.

Approval of previous meeting minutes

Old business:

Gas transport rate

Eric Shaffer and gas control staff have reviewed the gas transport rate and are not recommending any changes at this time. The current rate covers our costs. If we lost a customer to transport, we would need to change our method of calculating the purchased gas adjustment (PGA) so that it would not affect residential customers. We want to discourage transport because it is much harder to manage the system when others are flowing gas through it. Having a rate established gives us a starting point for negotiation if a new industry comes to the city.

Water utility discussion

Eric Shaffer stated that staff was asked to determine how much money was needed for the water utility and how we would get there. Handouts showing two scenarios were provided to commissioners. Staff determined that \$5 million in capital projects per year would be enough to put water main in the ground and catch up on pump station and treatment plant work. Scenario 1 would get us to \$5 million in 2023, and Scenario 2 would get us to \$5 million in 2028. Both scenarios take all other utility expenses into account as well as capital projects. Staff can put together additional scenarios if requested. There was some discussion about delayed capital projects. There was also discussion about the rate adjustment process and community engagement. Staff asked for direction from the Commission about how to proceed. Commissioners agreed that they would like to see a scenario similar to Scenario 1 except with consistent changes each year for the next meeting.

New business:

17PUC-002 - RESOLUTION AMENDING RESOLUTION 16PUC-009 ESTABLISHING FEES FOR VARIOUS UTILITY-RELATED SERVICES.

Liz Bieter explained that the fee for Gas Furnace/Appliance Service on weekdays from midnight to 8:00 a.m. should be for the first half-hour, not the first hour. This also affects the dollar amount charged for each additional fifteen minutes as shown in the proposed revised fee schedule. Resolution 17PUC-002 amending the fees was unanimously approved.

WLSSD draft ordinance

Eric Shaffer stated that he will attend the public meeting for the WLSSD draft ordinance tomorrow evening. This ordinance would force us to replace lateral lines again. We would need to propose a

number to replace each year. We would also need to decide whether to have a grant program for those replacements.

Updates from staff

Eric Shaffer reported that the Lakeside water main replacement project is moving ahead. Bougalis & Sons was awarded the Michigan Street project, which is a continuation of last year's water main project. Hanco was awarded the natural gas blanket project. We will be doing the corrosion study for the 42" water main ourselves and also installing another anode cathodic protection system.

Upcoming Council actions

Vice President Julsrud asked about who the Council would be selecting for the new commissioner. Commissioner Sipress replied that Councilor Anderson placed a resolution recommending one of the applicants on the agenda. Commissioner Westerlund stated that a resolution recommending Chris McIntosh is on the agenda for March 27th. Vice President Julsrud thinks it is unreasonable to expect military personnel to resign from the Commission if deployed. City Attorney Gunnar Johnson will work on a long-term solution for this. Bob Asleson responded that there is no provision for interim appointments at this time, which is why the Commission decided on the current scenario at the last meeting. The intent is to reappoint Commissioner Thorsell. Commissioner Lewis will resign and be replaced by a new commissioner. When Commissioner Lewis returns, Commissioner Thorsell will resign so that Commissioner Lewis can take his place. Commissioner Lewis will submit his letter of resignation this week.

Eric Shaffer mentioned that, as part of the Michigan Street project, there will be an agreement between MN Power and the City for reimbursement of expenses.

Commissioner questions or comments

Commissioner Filipovich reiterated his thanks for serving on this Commission.

Vice President Julsrud thanked Commissioner Filipovich for his service.

President Prusak thanked Commissioner Thorsell for agreeing to remain on the Commission. He will pray for the safety of Commissioner Lewis while he is deployed. He stated that it has been a pleasure working with Commissioner Filipovich and encouraged him to e-mail any comments about the water utility.

Preview of upcoming business

The next meeting is scheduled for Tuesday, April 18, 2017, at 5:15 p.m. in City Council Chambers. Staff will prepare the additional water utility scenario as requested.

Adjournment: The meeting was adjourned at 7:02 p.m.

Water Utility Scenario #1 - Capital Projects \$5M Target in 2023
 3/23/2017 Revised Debt Service

Water Utility Proposed Revenue Increases for Capital Plan Expenses
 All \$ in Millions

Projected Annual Expenses	2017	2018	2019	2020	2021	2022	2023
Capital	\$2.30	\$2.62	\$3.57	\$4.02	\$4.39	\$4.78	\$4.97
Salary/Benefits	\$6.00	\$6.18	\$6.37	\$6.56	\$6.75	\$6.96	\$7.16
Debt Service	\$1.83	\$1.84	\$1.35	\$1.17	\$1.17	\$1.17	\$1.08
Other	\$4.60	\$4.69	\$4.79	\$4.88	\$4.98	\$5.08	\$5.18
Total	\$14.73	\$15.33	\$16.07	\$16.63	\$17.29	\$17.99	\$18.40

Expense Annual Percent Change

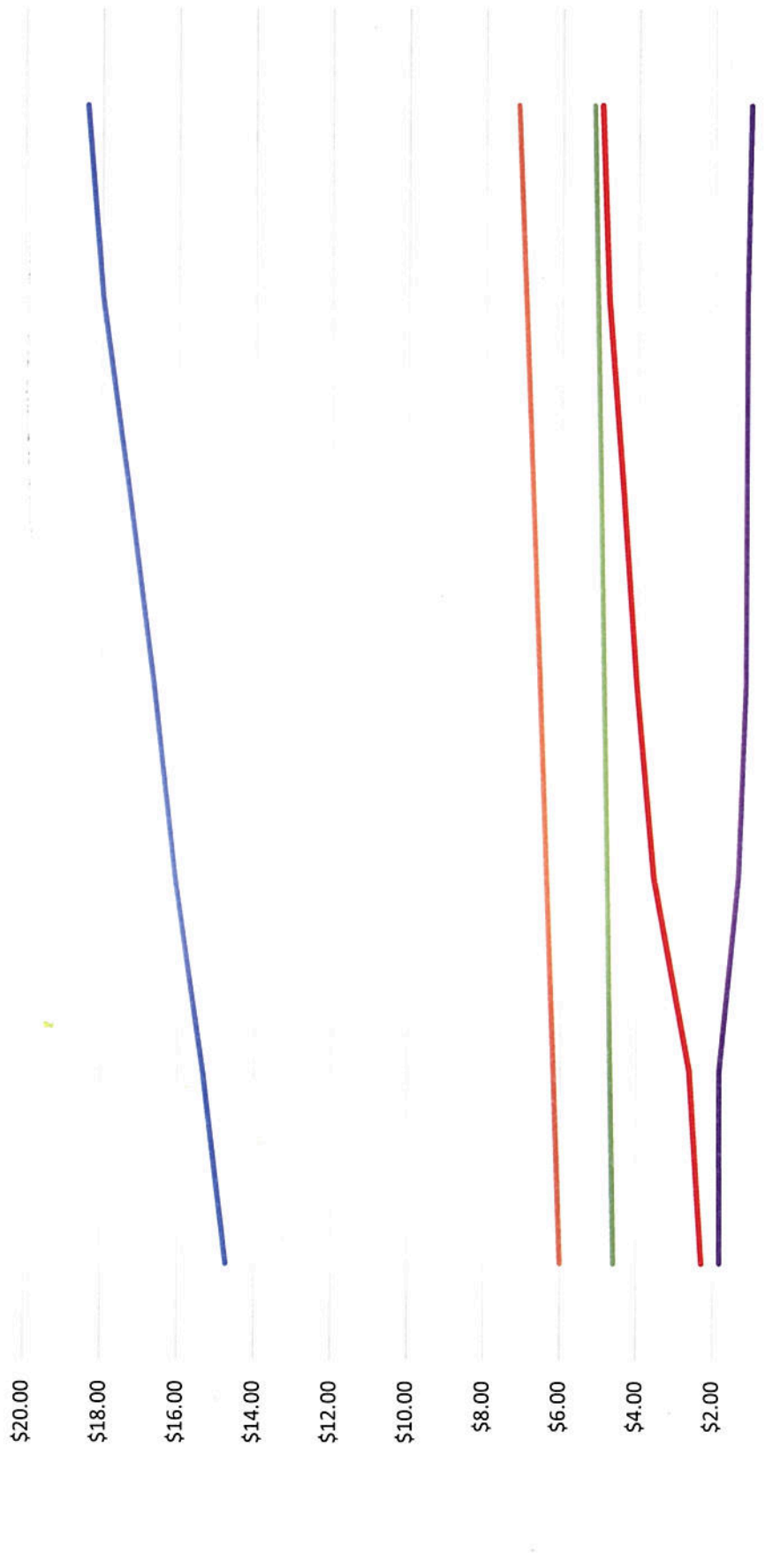
Capital	14.0%	36.0%	12.8%	9.1%	9.0%	4.0%
Salary/Benefits	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%
Debt Service	0.5%	-26.6%	-13.3%	0.0%	0.0%	-7.7%
Other	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%
Total	4.1%	4.8%	3.5%	4.0%	4.0%	2.3%

Additional Revenue Requirement \$0.60 \$0.73 \$0.56 \$0.66 \$0.70 \$0.41

Variable Rate Customer Revenue (including Hermantown/Proctor/Rice Lake)

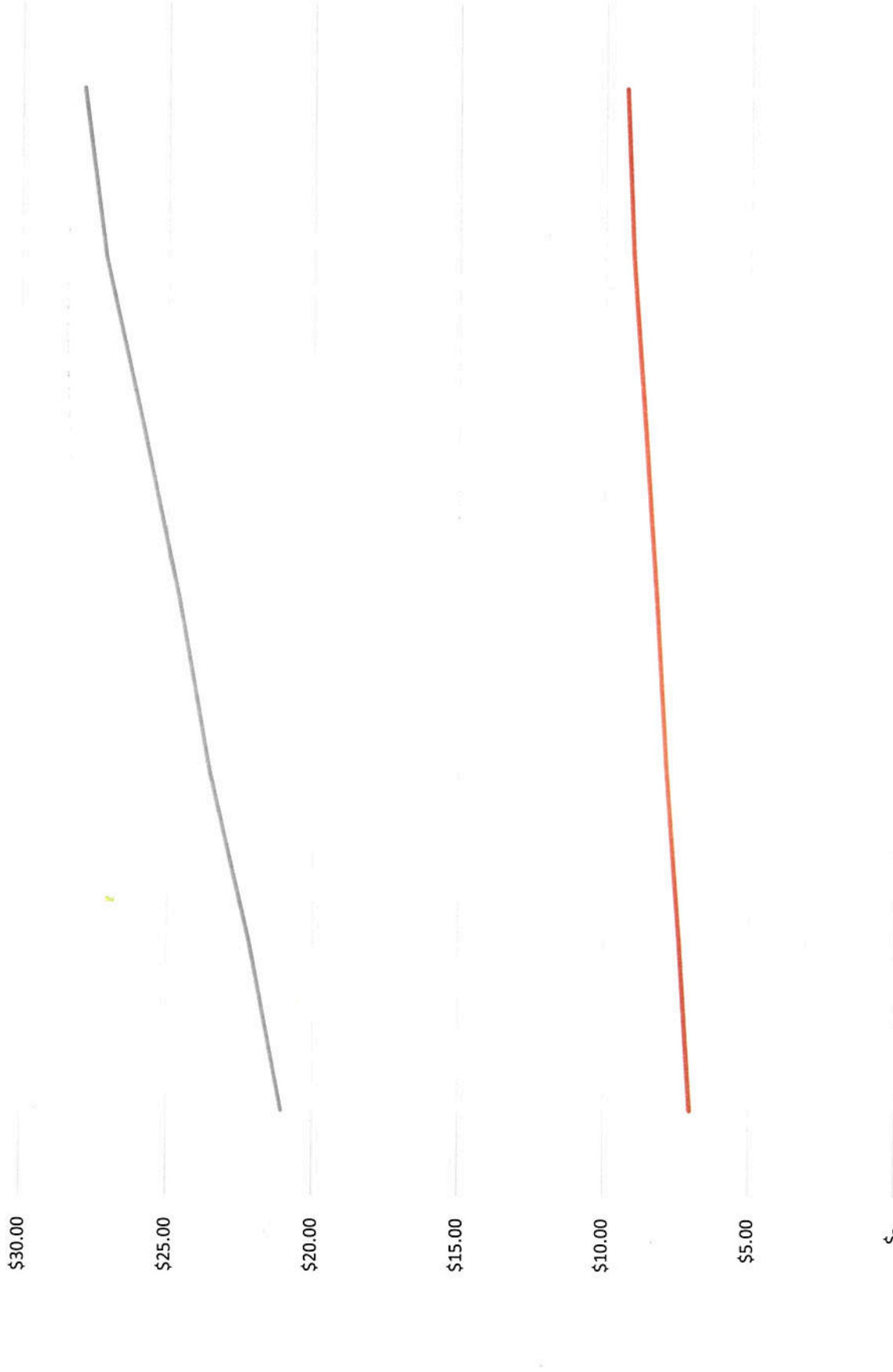
Base Revenue \$11.30 \$11.90 \$12.64 \$13.20 \$13.86 \$14.56 \$14.97
Rate Increase % 5.3% 6.2% 4.5% 5.0% 5.0% 5.0% 2.8%

Scenario #1 - Water Utility Proposed Annual Expense Budget (\$ in Millions)



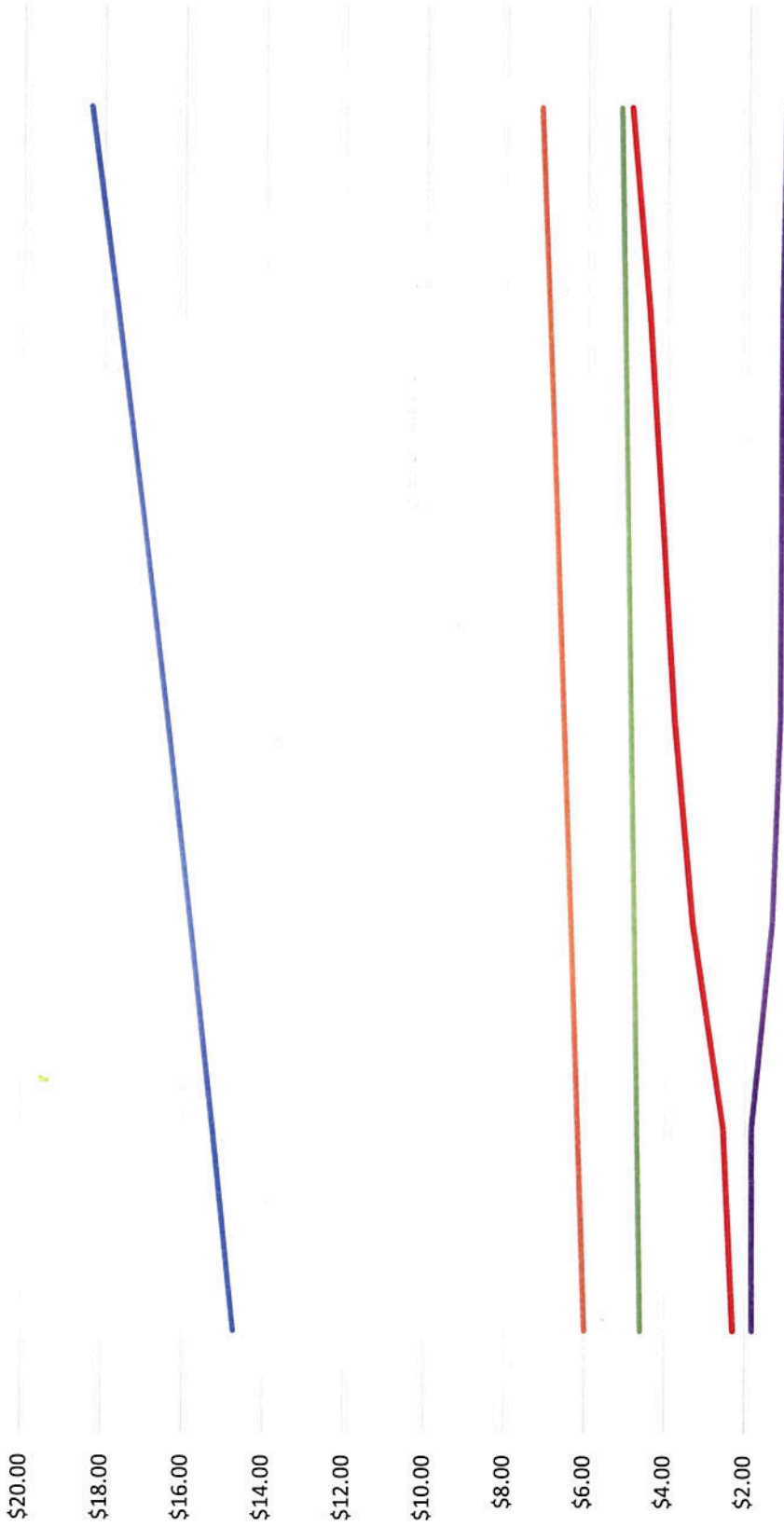
	2017	2018	2019	2020	2021	2022	2023
Capital	\$2.30	\$2.62	\$3.57	\$4.02	\$4.39	\$4.78	\$4.97
Salary/Benefits	\$6.00	\$6.18	\$6.37	\$6.56	\$6.75	\$6.96	\$7.16
Debt Service	\$1.83	\$1.84	\$1.35	\$1.17	\$1.17	\$1.17	\$1.08
Other	\$4.60	\$4.69	\$4.79	\$4.88	\$4.98	\$5.08	\$5.18
Total	\$14.73	\$15.33	\$16.07	\$16.63	\$17.29	\$17.99	\$18.40

Scenario #1 - Monthly Residential Total Variable Rate Charges for 2 CCF & 6 CCF Customers



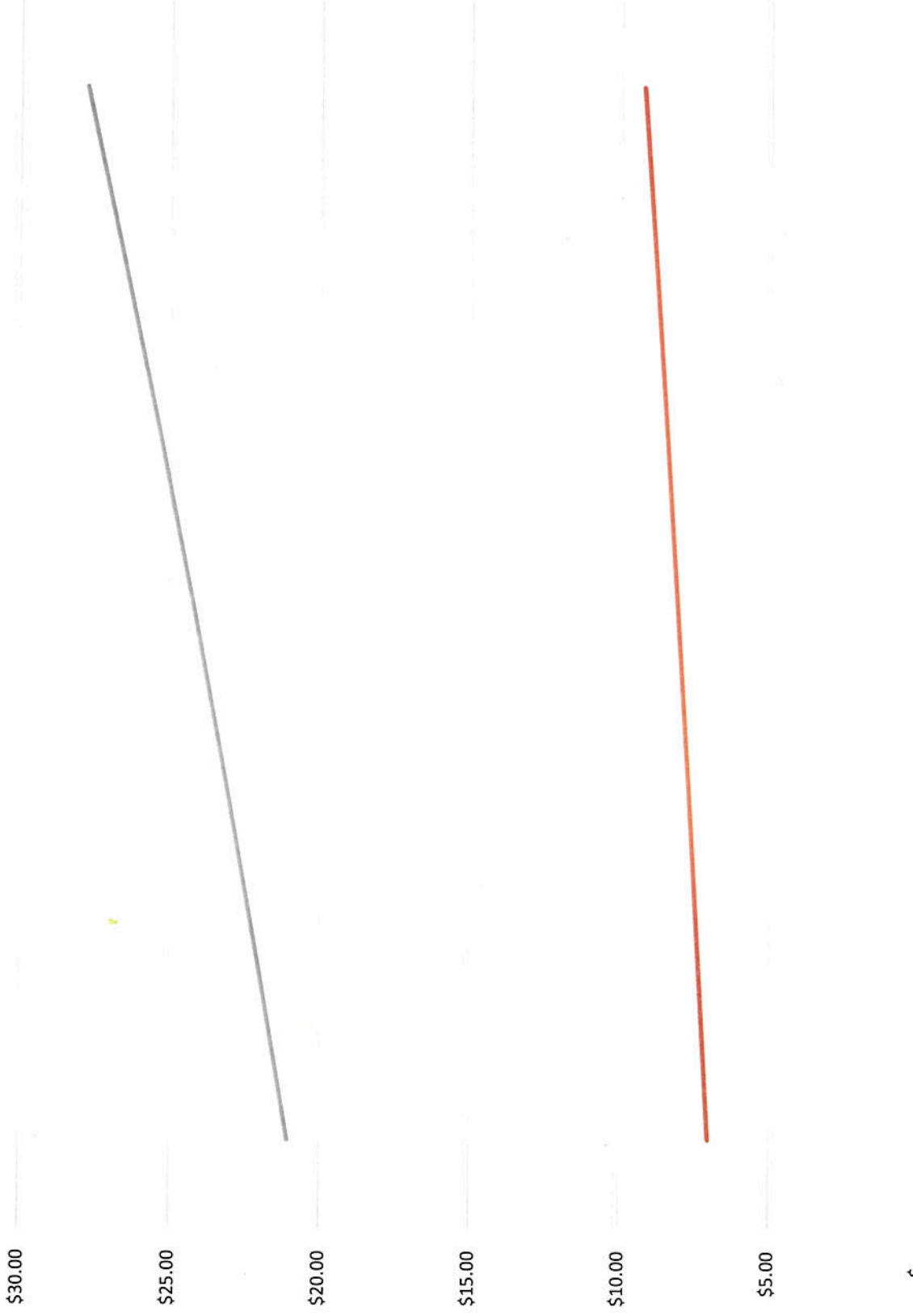
Year	2017	2018	2019	2020	2021	2022	2023
2 CCF's/month	\$7.02	\$7.40	\$7.85	\$8.20	\$8.61	\$9.04	\$9.30
6 CCF's/month	\$21.06	\$22.19	\$23.55	\$24.60	\$25.83	\$27.13	\$27.90

Scenario #2 - Water Utility Proposed Annual Expense Budget (\$ in Millions)



	2017	2018	2019	2020	2021	2022	2023
Capital	\$2.30	\$2.55	\$3.32	\$3.81	\$4.13	\$4.47	\$4.92
Salary/Benefits	\$6.00	\$6.18	\$6.37	\$6.56	\$6.75	\$6.96	\$7.16
Debt Service	\$1.83	\$1.84	\$1.35	\$1.17	\$1.17	\$1.17	\$1.08
Other	\$4.60	\$4.69	\$4.79	\$4.88	\$4.98	\$5.08	\$5.18
Total	\$14.73	\$15.27	\$15.83	\$16.41	\$17.03	\$17.67	\$18.35

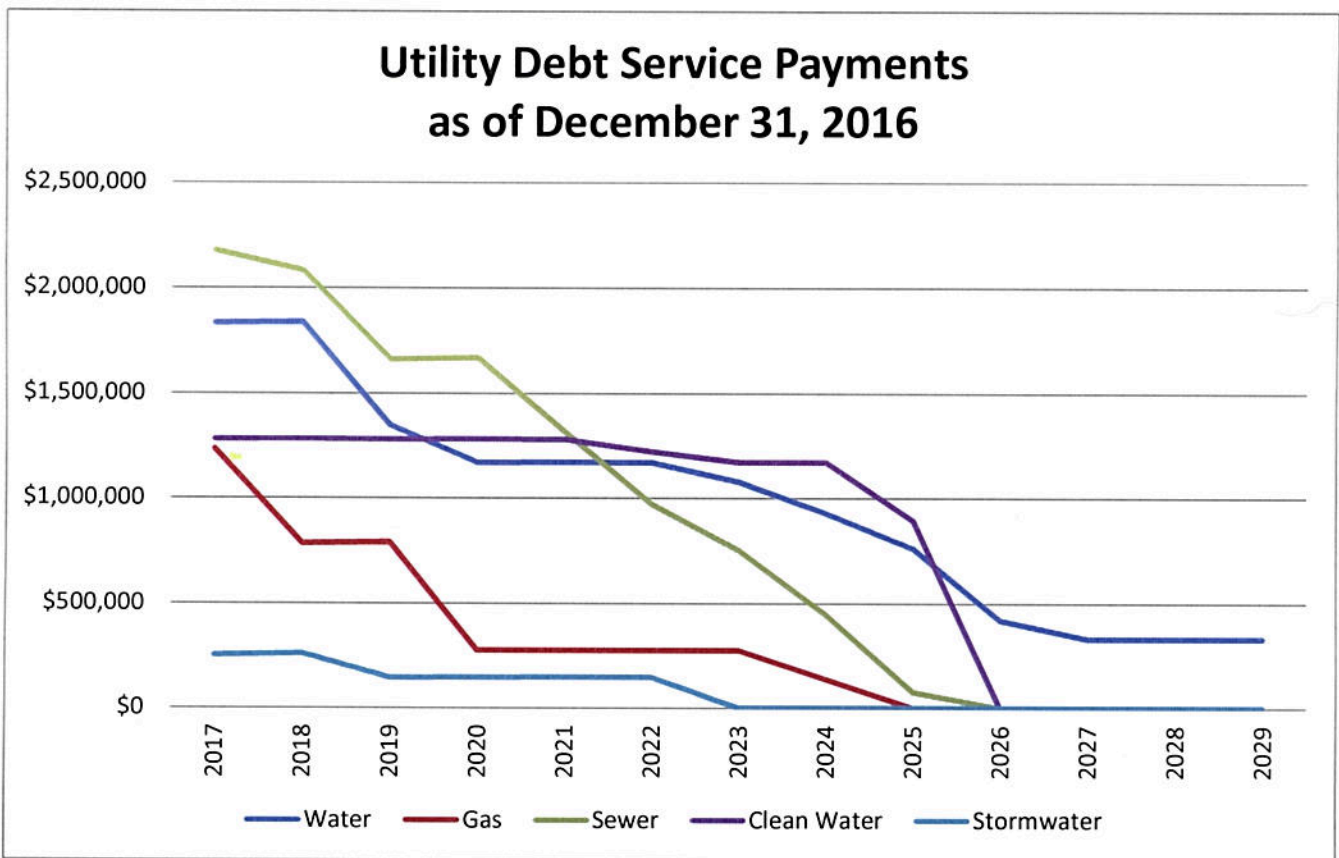
Scenario #2 - Monthly Residential Total Variable Rate Charges for 2 CCF & 6 CCF Customers



Year	2017	2018	2019	2020	2021	2022	2023
2 CCF's/month	\$7.02	\$7.35	\$7.70	\$8.07	\$8.45	\$8.85	\$9.27
6 CCF's/month	\$21.06	\$22.06	\$23.10	\$24.20	\$25.34	\$26.54	\$27.80

**UTILITY DEBT SERVICE PAYMENTS
AS OF 12/31/2016**

Year	Water	Gas	Sewer	Clean Water	Stormwater
2017	\$ 1,833,600.81	\$ 1,232,672.92	\$ 2,176,421.66	\$ 1,280,515.83	\$ 252,122.45
2018	\$ 1,837,278.96	\$ 784,247.92	\$ 2,081,299.27	\$ 1,280,565.33	\$ 259,733.37
2019	\$ 1,346,380.94	\$ 789,547.91	\$ 1,661,033.20	\$ 1,278,889.39	\$ 143,900.00
2020	\$ 1,168,402.14	\$ 274,447.91	\$ 1,667,893.42	\$ 1,280,107.35	\$ 145,575.00
2021	\$ 1,170,692.76	\$ 274,447.90	\$ 1,314,273.46	\$ 1,278,918.82	\$ 146,450.00
2022	\$ 1,167,795.81	\$ 274,447.91	\$ 969,975.73	\$ 1,219,928.96	\$ 147,175.00
2023	\$ 1,077,104.28	\$ 274,447.91	\$ 751,765.17	\$ 1,169,778.08	\$ -
2024	\$ 926,938.08	\$ 137,223.95	\$ 447,305.73	\$ 1,169,985.55	\$ -
2025	\$ 762,005.58	\$ -	\$ 76,500.00	\$ 893,095.56	\$ -
2026	\$ 418,992.28	\$ -	\$ -	\$ -	\$ -
2027	\$ 331,750.00	\$ -	\$ -	\$ -	\$ -
2028	\$ 331,530.00	\$ -	\$ -	\$ -	\$ -
2029	\$ 331,280.00	\$ -	\$ -	\$ -	\$ -
	\$ 12,703,751.64	\$ 4,041,484.33	\$ 11,146,467.64	\$ 10,851,784.87	\$ 1,094,955.82



Includes total principal and interest payments on all Bonds, Notes and Capital Leases.

**WATER FUND
CASH PROJECTION - DRAFT BUDGET
PROJECTED 2016 THRU 2018**

04/10/17

	Budget 2016	Projected 2016	Actual 2016	Budget 2017	Projected 2018
Unrestricted Cash (including Debt Serv. Res.)	701,300	483,951	483,951	552,300	933,900
Revenues:					
Metered Water Sales (4810)	10,709,800	10,908,500	10,689,814	11,218,000	11,218,000
Water Sales for Resale (4811)	1,256,200	1,277,200	1,259,757	1,325,900	1,325,900
Fixed Rate Charges (4831)	2,405,200	2,407,000	2,400,981	2,409,500	2,409,500
Misc. Operating Revenue	139,000	132,800	138,204	130,000	130,000
Non-Operating Revenues	181,600	171,500	186,151	169,500	169,500
Total Revenues	14,691,800	14,897,000	14,674,907	15,252,900	15,252,900
Other Sources of Cash:					
Due from Other Funds	-	115,828	115,828	-	-
Special Assessment Principal	137,300	146,422	146,422	-	-
Interfund Loan Received	-	-	855,033	-	-
Accrual Cash Flow Adjustments	-	-	-	-	-
Total Additions to Cash	14,829,100	15,159,250	15,792,189	15,252,900	15,252,900
Expenses:					
Salaries	3,586,100	3,431,300	3,593,745	3,838,300	3,934,258
Benefits	1,423,800	1,347,600	1,416,027	1,616,100	1,656,503
Retiree Insurance & OPEB - Benefits (5135)	552,600	504,200	520,370	535,500	535,500
Retiree Insurance & OPEB - Transfers (5700-60)	68,000	68,000	68,000	-	-
Supplies	1,417,900	1,326,000	1,201,641	1,406,900	1,406,900
Other Services and Charges	1,350,200	1,234,400	1,271,042	1,247,200	1,223,200
Utilities	1,255,200	1,205,800	1,242,537	1,261,300	1,261,300
Transfers	222,900	222,900	179,385	244,700	232,700
Improvements Non-Capital (5535)	-	86,900	99,107	-	50,000
Debt Service - Interest Expense (5611)	170,300	148,000	141,514	127,700	103,200
Fiscal Fees	500	900	726	900	900
AMRS Lease Interest Payment (5614)	76,300	79,700	76,302	71,300	62,600
Total Expenses	10,123,800	9,655,700	9,810,397.99	10,349,900	10,467,060
Capital Related Costs:					
Capital Improvements from Current Revenues (5533)	2,859,700	3,446,200	3,981,068	2,344,000	2,130,000
Capital Equipment Purchases (5580)	320,000	346,000	338,839	439,800	301,700
Total Expenses and Capital	13,303,500	13,447,900	14,130,305	13,133,700	12,898,760
Other Uses of Cash:					
Due to Other Funds	-	17,891	17,891	-	-
Interfund Loan Payables	-	-	-	-	-
Budget Carry-Over for Encumbrances	-	-	-	-	-
Net Project Timing Adjustments	-	-	-	-	-
Bond Principal Payments	1,574,400	1,445,200	1,445,235	1,509,500	1,421,700
AMRS Lease Principal Payments	219,700	219,700	219,657	228,100	236,800
Accrual Cash Flow Adjustments	-	-	463,053	-	-
Total Deductions to Cash	15,097,600	15,130,691	16,276,141	14,871,300	14,557,260
Current Year Surplus / (Deficit)	(268,500)	28,559	(483,951)	381,600	695,640
Estimated Year End Cash Balance	432,800	512,510	0	933,900	1,629,540
Budget Reduction Needed	127,400	39,790	-	-	-
Estimated Cash After Budget Reduction	560,200	552,300		933,900	1,629,540
Total Reserve Needed (February Debt Payment Due)	560,200	552,300		552,600	290,200

**GAS FUND
CASH PROJECTION - DRAFT BUDGET
PROJECTED 2016 THRU 2018**

04/07/17

	Budget 2016	Projected 2016	Actual 2016	Budget 2017	Projected 2018
Unrestricted Cash (including Debt Serv. Res.)	5,245,775	5,292,734	5,292,734	7,465,656	4,837,656
Revenues:					
Metered Gas Revenues:					
Variable Rate	36,053,500	28,380,700	25,799,885	31,774,100	32,375,900
Fixed Rate	3,875,800	3,871,900	3,864,079	3,928,800	3,928,800
Misc. Operating Revenue	1,526,000	1,832,500	1,543,996	1,386,200	1,386,200
Non-Operating Revenues	127,200	517,200	222,531	127,200	127,200
Reimbursement of Capital Improvements			480,350		
Total Revenues	41,582,500	34,602,300	31,910,841	37,216,300	37,818,100
Other Sources of Cash:					
Due from Other Funds	-	29,794	29,794	-	-
Interfund Loans Receivable	-	-	-	-	-
Energy Fund Loan Repayment	150,000	150,000	150,000	150,000	150,000
Special Assessment Principal	21,000	8,300	8,309	-	-
Accrual Cash Flow Adjustments	-	-	-	-	-
Total Additions to Cash	41,753,500	34,790,394	32,098,944	37,366,300	37,968,100
Expenses:					
Salaries	4,887,500	4,414,400	4,664,523	5,003,800	5,128,900
Benefits	1,970,800	1,695,800	1,800,167	2,084,800	2,136,900
Retiree Insurance & OPEB - Benefits (5135)	891,200	870,100	874,156	916,800	916,800
Retiree Insurance & OPEB - Transfers (5700-60)	-	-	-	-	-
Supplies	973,000	1,017,400	1,121,731	1,155,300	1,155,300
Natural Gas Purchases	24,422,000	15,147,900	15,794,076	20,930,900	20,930,900
Other Services and Charges	1,557,800	1,407,600	1,428,548	1,717,600	1,693,600
In Lieu of Tax	2,876,000	2,484,600	2,484,583	2,357,800	2,596,200
Utilities	38,000	39,700	41,321	38,500	38,500
Transfers	160,700	160,700	200,211	182,500	170,500
Improvements Non-Capital (5535)	60,000	120,300	121,102	110,000	160,000
Debt Service - Interest Expense (5611)	84,200	84,200	73,457	55,300	29,800
Fiscal Fees	600	500	579	500	500
AMRS Lease Interest Payment (5614)	69,900	73,100	69,944	65,400	57,400
Total Expenses	37,991,700	27,516,300	28,674,397	34,619,200	35,015,300
Capital Related Costs:					
Capital Improvements from Current Revenues (5533)	3,675,000	3,644,900	2,467,803	3,814,500	2,530,000
Capital Improvements that have been Reimbursed			480,350		
Capital Equipment Purchases (5580)	300,500	326,000	184,697	448,600	284,500
Total Expenses and Capital	41,967,200	31,487,200	31,807,247	38,882,300	37,829,800
Other Uses of Cash:					
Due to Other Funds	-	58,872	58,872	-	-
Loans Advanced to Other Funds	-	-	1,222,050	-	-
Budget Carry-Over for Encumbrances	-	-	-	-	-
Net Project Timing Adjustments	-	-	-	-	-
Bond Principal Payments	870,000	870,000	869,955	902,900	480,000
AMRS Lease Principal Payments	201,400	201,400	201,352	209,100	217,100
Debt Called	-	-	-	-	-
Accrual Cash Flow Adjustments	-	-	124,740	-	-
Total Deductions to Cash	43,038,600	32,617,472	34,284,216	39,994,300	38,526,900
Current Year Surplus / (Deficit)	(1,285,100)	2,172,922	(2,185,272)	(2,628,000)	(558,800)
Estimated Year End Cash Balance	3,960,675	7,465,656	3,107,463	4,837,656	4,278,856
Budget Reduction Needed	-	-	-	-	-
Estimated Cash After Budget Reduction	3,960,675	7,465,656		4,837,656	4,278,856
Total Reserve Needed (February Debt Payment Due)	1,075,700	1,075,700		636,900	652,300

SANITARY SEWER FUND
 CASH PROJECTION - DRAFT BUDGET
 PROJECTED 2016 THRU 2018

04/07/17

	Budget 2016	Projected 2016	Actual 2016	Budget 2017	Projected 2018
Unrestricted Cash (including Debt Serv. Res.)	1,615,600	1,593,085	1,593,085	2,479,607	2,289,107
Revenues:					
Metered Revenue:					
Variable Revenue	16,893,600	16,100,800	15,757,173	16,256,000	16,256,000
Fixed Revenue	1,923,100	1,927,700	1,931,460	1,929,100	1,929,100
Misc. Operating Revenue	200,600	1,256,600	226,380	206,400	206,400
Non-Operating Revenues (excluding Capital Grants)	58,900	29,200	1,413,114	44,200	44,200
Total Revenues	19,076,200	19,314,300	19,328,127	18,435,700	18,435,700
Other Sources of Cash:					
Due from Other Funds	-	37,319	37,319	-	-
Special Assessment Principal	193,400	278,503	278,503	-	-
Accrual Cash Flow Adjustments	-	-	-	-	-
Total Additions to Cash	19,269,600	19,630,122	19,643,949	18,435,700	18,435,700
Expenses:					
Salaries	2,275,800	2,036,000	2,040,325	2,150,400	2,204,160
Benefits	927,600	799,800	806,840	884,100	906,203
Retiree Insurance & OPEB - Benefits (5135)	187,200	171,700	164,612	180,700	180,700
Retiree Insurance & OPEB - Transfers (5700-60)	-	-	-	-	-
Supplies	363,600	345,500	309,952	357,700	357,700
Other Services and Charges	813,000	767,900	791,406	804,300	780,300
WLSSD Treatment Charges	8,702,700	8,750,400	8,791,458	8,783,300	8,783,300
WLSSD Testing	218,800	216,700	216,697	217,000	217,000
SSO Grants and Improvements	450,000	295,800	248,350	360,000	360,000
Utilities	122,700	117,400	113,193	123,700	123,700
Transfers	160,500	160,500	134,257	182,400	170,400
Improvements Non-Capital (5535)	50,000	115,300	111,772	50,000	50,000
Debt Service - Interest Expense (5611)	242,500	198,700	196,029	180,500	180,500
Fiscal Fees	2,100	2,600	2,238	2,600	2,600
AMRS Lease Interest Payment (5614)	65,700	68,700	65,705	61,400	61,400
Total Expenses	14,582,200	14,047,000	13,992,834	14,338,100	14,377,963
Capital Related Costs:					
Capital Improvements from Current Revenues (5533)	2,000,000	2,708,900	3,022,746	1,950,000	2,000,000
Capital Equipment Purchases (5580)	240,300	112,000	87,539	278,700	172,900
Total Expenses and Capital	16,822,500	16,867,900	17,103,119	16,566,800	16,550,863
Other Uses of Cash:					
Due to Other Funds	-	8,900	8,890	-	-
Budget Carry-Over for Encumbrances	-	-	-	-	-
Net Project Timing Adjustments	-	-	-	-	-
Infrastructure System Replacement Fund	76,800	120,000	163,219	120,000	120,000
Bond Principal Payments	1,762,800	1,557,700	1,557,674	1,743,000	2,159,300
AMRS Lease Principal Payments	189,100	189,100	189,149	196,400	203,900
Accrual Cash Flow Adjustments	-	-	643,729	-	-
Total Deductions to Cash	18,851,200	18,743,600	19,665,780	18,626,200	19,034,063
Current Year Surplus / (Deficit)	418,400	886,522	(21,831)	(190,500)	(598,363)
Estimated Year End Cash Balance	2,034,000	2,479,607	1,571,255	2,289,107	1,690,745
Budget Reduction Needed	-	-	-	-	-
Estimated Cash After Budget Reduction	2,034,000	2,479,607	1,571,255	2,289,107	1,690,745
Total Reserve Needed (February Debt Payment Due)	1,586,000	1,571,900		1,484,900	1,177,900

CLEAN WATER FUND
 CASH PROJECTION - DRAFT BUDGET
 PROJECTED 2016 THRU 2018

04/07/17

	Budget 2016	Projected 2016	Actual 2016	Budget 2017	Projected 2018
Unrestricted Cash (including Debt Serv. Res.)	342,874	478,491	478,491	746,279	914,879
Revenues:					
Clean Water Surcharge	1,832,100	1,601,000	1,613,187	1,605,000	1,605,000
Misc. Operating Revenue	8,000	10,000	13,190	10,000	10,000
Non-Operating Revenues (excluding Capital Grants)	600	300	(3,675)	-	-
Total Revenues	1,840,700	1,611,300	1,622,701	1,615,000	1,615,000
Other Sources of Cash:					
Accrual Cash Flow Adjustments	-	-	4,090	-	-
Total Additions to Cash	1,840,700	1,611,300	1,626,791	1,615,000	1,615,000
Expenses:					
Supplies	-	-	-	-	-
Other Services and Charges	8,400	7,900	5,126	5,900	5,900
Grants & Awards	200,000	55,912	27,912	160,000	160,000
Transfers	-	-	255,466	-	-
Improvements Non-Capital (5535)	-	-	-	-	-
Debt Service - Interest Expense (5611)	158,800	158,800	153,089	143,100	143,100
Total Expenses	367,200	222,612	441,593	309,000	309,000
Capital Related Costs:					
Capital Improvements from Current Revenues (5533)	-	-	-	-	-
Capital Equipment Purchases (5580)	-	-	-	-	-
Total Expenses and Capital	367,200	222,612	441,593	309,000	309,000
Other Uses of Cash:					
Budget Carry-Over for Encumbrances	-	-	-	-	-
Bond Principal Payments	1,120,900	1,120,900	1,120,881	1,137,400	1,153,400
Accrual Cash Flow Adjustments	-	-	-	-	-
Total Deductions to Cash	1,488,100	1,343,512	1,562,474	1,446,400	1,462,400
Current Year Surplus / (Deficit)	352,600	267,788	64,317	168,600	152,600
Estimated Year End Cash Balance	695,474	746,279	542,808	914,879	1,067,479
Budget Reduction Needed	-	-	-	-	-
Estimated Cash After Budget Reduction	695,474	746,279	542,808	914,879	1,067,479
Total Reserve Needed (February Debt Payment Due)	85,100	85,100		77,100	69,600

**STORMWATER FUND
CASH PROJECTION - DRAFT BUDGET
PROJECTED 2016 THRU 2018**

04/07/17

	Budget 2016	Projected 2016	Actual 2016	Budget 2017	Projected 2018
Unrestricted Cash (including Debt Serv. Res.)	989,944	1,642,193	1,642,193	1,068,898	1,125,598
Revenues:					
Stormwater Revenue	4,690,100	5,225,000	5,213,783	5,240,000	5,240,000
Misc. Operating Revenue	26,500	30,000	35,415	31,000	31,000
Non-Operating Revenues (excluding Capital Grants)	11,800	11,200	18,773	11,200	11,200
Total Revenues	4,728,400	5,266,200	5,267,971	5,282,200	5,282,200
Other Sources of Cash:					
Due from Other Funds	-	9,221	9,221	-	-
Special Assessment Principal	600	476	476	-	-
Accrual Cash Flow Adjustments	-	-	-	-	-
Total Additions to Cash	4,729,000	5,275,897	5,277,668	5,282,200	5,282,200
Expenses:					
Salaries	1,735,300	1,619,300	1,655,016	1,691,600	1,733,890
Benefits	697,600	644,000	659,271	692,700	710,018
Retiree Insurance & OPEB - Benefits (5135)	10,300	6,500	14,738	23,900	23,900
Retiree Insurance & OPEB - Transfers (5700-60)	91,000	91,000	91,000	-	-
Supplies	296,700	299,700	337,206	287,400	287,400
Other Services and Charges	662,600	582,200	616,850	732,700	648,700
Utilities	26,700	20,100	19,174	27,300	27,300
Transfers	548,300	548,300	522,933	570,200	558,200
Improvements Non-Capital (5535)	265,000	140,300	213,391	165,000	175,000
Debt Service - Interest Expense (5611)	43,000	22,700	26,997	24,000	24,000
Fiscal Fees	400	600	432	600	600
Total Expenses	4,376,900	3,974,700	4,157,007	4,215,400	4,189,008
Capital Related Costs:					
Capital Improvements from Current Revenues (5533)	1,225,000	1,712,200	2,345,763	635,000	1,025,000
Capital Equipment Purchases (5580)	181,800	42,000	42,009	147,000	196,400
Total Expenses and Capital	5,783,700	5,728,900	6,544,780	4,997,400	5,410,408
Other Uses of Cash:					
Due to Other Funds	-	10,592	10,592	-	-
Budget Carry-Over for Encumbrances	-	-	-	-	-
Net Project Timing Adjustments	-	-	-	-	-
Bond Principal Payments	224,700	109,700	109,694	228,100	241,600
Accrual Cash Flow Adjustments	-	-	160,015	-	-
Total Deductions to Cash	6,008,400	5,849,192	6,825,080	5,225,500	5,652,008
Current Year Surplus / (Deficit)	(1,279,400)	(573,295)	(1,547,412)	56,700	(369,808)
Estimated Year End Cash Balance	(289,456)	1,068,898	94,781	1,125,598	755,791
Budget Reduction Needed	542,356	-	-	-	-
Estimated Cash After Budget Reduction	252,900	1,068,898	94,781	1,125,598	755,791
Total Reserve Needed (February Debt Payment Due)	252,900	241,500		252,100	137,600