

Water & Sewer Rate Study



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BACKGROUND:

The first true cost-of-service study for Canton's water and sewer rates was adopted in 2005. The objective of the study was to align the revenue requirements with the cost of operation, maintenance and replacement of the water and sewer system to ensure long-term sustainability of the fund.

In 2007 the true cost-of-service study was updated by Utility Financial Solutions (original author). In 2008, the report was updated by staff from the Finance and Budget Department, with assistance from Municipal Services.

Many of the concepts of the true cost-of-service study from 2005 remain in this most recent update.

- 1. A portion of the charges are allocated to the customers to cover costs that we incur regardless of the volume of water purchased or volume of sewage treated (a.k.a. fixed charges). The balance of the costs are paid for through the commodity, or rate per thousand gallons, charge to the customer.
- 2. Another concept carried forward is the allocation of the fixed charges based on the capacity of the meter that measures flow at the customer's connection. By way of example, a two (2) inch diameter water meter can provide four times the volume of water of a one (1) inch diameter water meter. As such, the fixed charges are four times that of a one-inch residential water account.
- 3. A third concept carried forward is the additional fixed charge that a homeowner with footing drains connected to the sanitary sewer system pays because of the additional capacity needed in the sanitary sewer system to handle groundwater that enters the footing drains around their home.

POLICY CHANGES:

Although not part of the rate analysis, or part of the recommended ordinance amendments, a few policy changes are being proposed for 2012.

- First, to further ease the burden on our customers, the Treasurer's Office is offering autodebit options for payment from a customer's checking account. This had been planned for in 2011, but it was delayed until 2012 instead.
- Second, we will continue to promote voluntary irrigation restrictions community-wide in 2012. This year's program will be even more aggressive to try to convince our customers to comply with our odd/even program and to encourage customers with automated irrigation controllers to irrigate between 12 midnight and 6 AM.

RATE RECOMMENDATIONS:

What follows is a section with the recommended rates for 2012 assuming that no additional rate component is required to raise the water and sewer cash balance through the rates. The cash balance for the 2011 fiscal year-end is estimated to be \$13.5 million versus a minimum target of \$11.8 million (2007 dollars per the UFS rate study or \$13.5 million in 2012 dollars).

The detailed rate analysis and impacts are enclosed in the attached appendices to this report. The rates proposed in this report would be effective on the first bills issued after May 1, 2012.

RECOMMENDED RATES:

In order to satisfy the revenue requirements under this approach for the 2012 fiscal year, the following rates are recommended for adoption by the Board of Trustees.

A) Water Charges

Consumption rate: \$3.99 3.90 per 1,000 gallons.

a. In addition to the consumption charge, there shall be a water cost of service charge per reading cycle, or portion thereof, based on meter size:

Size	Bi-Monthly	Quarterly
1" or less	\$ 5.64 5.88	\$ 8.46 8.82
1.5"	12.68 13.24	19.02 19.86
2.0"	22.54 23.54	33.81 35.31
3.0"	50.70 52.98	76.05 79.47
4.0"	90.12 94.18	135.18 141.27
6.0"	202.78 211.92	304.17 317.88
8.0"	360.48 376.74	550.72 565.11
10.0"	563.26 588.66	844.89 882.99

2. a)Water Tap and Meter Charges: no changes from 2011 numbers

b)Water System Equity Charges: no change from 2011 numbers

c)Water Construction Charge: no change from 2011 numbers

d)Water Front Footage Charge: no change from 2011 numbers

e)Fire Line Meter: no change from 2011 numbers

B. <u>Sewer Charges</u>

1. Sewage treatment rate: \$6.40 6.23 per 1,000 gallons.

a. In addition to the treatment rate charge, for customers connected to the sanitary sewer system there shall be a wastewater cost of service charge per reading cycle, or portion thereof, based on meter size:

Size	Bi-Monthly	Quarterly
1" (or less) without FD	\$ 4.90 4.82	\$ 7.35 7.23
1" (or less) with FD	14.18 14.80	21.27 22.20
1.5"	11.04 10.84	16.56 16.26
2.0" without FD	19.62 19.26	29.43 28.89
2.0" with FD	28.90 29.24	43.35 43.86
3.0"	44.16 43.32	66.24 64.98
4.0"	78.52 77.02	117.78 115.53

6.0"	176.66 173.28	264.99 259.92
8.0"	314.08 308.06	471.12 462.09
10.0"	4 90.74 481.34	736.11 722.01

2. Minimum Sewage Bill:

- a) Minimum bill was eliminated in 2008.
- b) Minimum sewage disposal bill if not connected to the township water system, per <u>quarterly</u> reading cycle based on the County minimum volume of 12,500 gallons per month: \$240.00 233.63 plus the sewer fixed charges.
- c) Minimum sewage disposal bill if not connected to the township water system, per bi-monthly reading cycle based on the County minimum volume of 12,500 gallons per month: \$ 160.00-155.75 plus the sewer fixed charges.
- d) No changes from 2011 numbers.
- 3. Sewer Front Footage charge: no change from 2011 numbers.
- 4. Sewer System Equity charges: no change from 2011 numbers.
- 5. Sewer Lead Inspection charge: no change from 2011 numbers.
- 6. DWSD Industrial Waste Control (IWC) charge: as outlined in Appendix D.
- 7. DWSD Industrial Surcharge rates: as outlined in Appendix E.

Appendix A
Rate Tables

Canton Township Water & Sewer Rate Analysis Definitions

Budgeted Operating Expenses

592.537 - Wate	Operations &	Maintenance	Budget
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Water Purchases	The amount we pay DWSD for water purchased.
Meter Replacement	
	The amount budgeted for upgrading the customer meters during the year.
Indirect Costs	The amount charged to Water Maintenance for services performed by
	employees of the General Fund.
Depreciation	The current year's of depreciation of the Water Fund's capital assets.
Maintenance & Operations	Wages and fringes of the employees of the Water Fund and other
	operational expenses.

592.538 - Sewer Operations & Maintenance Budget

Sewage Treatment	The amount we pay WC-RVIS/DWSD and YCUA for sewer treatment services.
WTUA Operations	Canton's portion of the WTUA operations.
WTUA Debt Service	Canton's portion of the WTUA debt requirements.
WTUA Capital Improvements	Canton's portion of the WTUA capital improvements.
Interest Expense on bonds	The annual interest expense due on the outstanding debt.
Indirect Costs	The amount charged to Sewer Maintenance for services performed by employees of the General Fund.
Depreciation	The current year's of depreciation of the Water Fund's capital assets.
Maintenance & Operations	Wages and fringes of the employees of the Water Fund and other operational expenses.
592.560 - Water Billing Budget	Wages and fringes of the employees of the Water & Sewer Billing staff and other operational expenses.

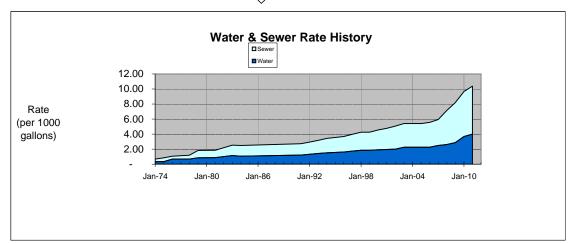
Current Year Cash Requirements

Non-Cash Expenses	The amount of depreciation from above. This is not a cash		
	transaction, therefore, we subtract this out in order to		
	calculate our cash needs.		
Other Revenues	Revenues that are not dependent on water usage.		
Principal Payments	The current year's principal payments due on the outstanding debt.		
Increase in Cash Reserves	The amount we need to increase the cash reserves by so that we don't end up with a negative cash flow issue.		

Canton Township Water & Sewer Rate Analysis (Commodity Charges Only)

WATER &	SEWER RAT	F HISTORY	(ner thousand	d gallons)		
WATER & SEWER RATE HISTORY (per thousand gallons) Total						
Effective Date	Water	<u>Sewer</u>	Total Rate	<u>Increase</u>	% Change	
December 1, 1974	0.34	0.34	0.68	<u>moroaco</u>	70 Orlango	
December 1, 1975	0.34	0.51	0.85	0.17	25.00%	
December 1, 1976	0.69	0.38	1.07	0.22	25.88%	
December 1, 1978	0.69	0.51	1.20	0.13	12.15%	
December 1, 1979	0.85	0.98	1.83	0.63	52.50%	
October 1, 1981	0.87	0.98	1.85	0.02	1.09%	
July 1, 1983	1.14	1.40	2.54	0.69	37.30%	
September 1, 1984	1.06	1.42	2.48	(0.06)	-2.36%	
September 1, 1991	1.22	1.51	2.73	0.25	10.08%	
September 1, 1992	1.32	1.61	2.93	0.20	7.33%	
September 1, 1993	1.42	1.76	3.18	0.25	8.53%	
October 1, 1994	1.52	1.91	3.43	0.25	7.86%	
February 1, 1996	1.62	2.06	3.68	0.25	7.29%	
August 1, 1997	1.74	2.23	3.97	0.29	7.88%	
September 1, 1998	1.86	2.40	4.26	0.29	7.30%	
January 1, 1999	1.86	2.40	4.26	-	0.00%	
January 1, 2000	1.91	2.64	4.55	0.29	6.81%	
April 1, 2001	1.95	2.81	4.76	0.21	4.62%	
May 1, 2002	2.00	3.06	5.06	0.30	6.30%	
July 1, 2003	2.26	3.15	5.41	0.35	6.92%	
July 1, 2004	2.26	3.15	5.41	-	0.00%	
July 1, 2005	2.26	3.15	5.41	-	0.00%	
June 1, 2006	2.26	3.30	5.56	0.15	2.77%	
July 1, 2007	2.48	3.45	5.93	0.37	6.65%	
July 1, 2008	2.61	4.54	7.15	1.22	20.57%	
July 1, 2009	2.87	5.33	8.20	1.05	14.69%	
July 1, 2010	3.69	5.96	9.65	1.45	17.68%	
July 1, 2011	3.99	6.40	10.39	0.74	7.67%	





Canton Township Water & Sewer Rate Analysis

WATER TREATMENT & TRANSMISSION COSTS

Water Purchased (per 1,000 gallons)

	DWSD		
Effective Date	<u>Rate</u>	% Change	
July 1, 1995	1.03		
July 1, 1996	1.06	2.9%	
July 1, 1997	1.10	3.8%	
July 1, 1998	1.18	7.3%	
July 1, 1999	1.21	2.5%	
July 1, 2000	1.27	5.0%	
July 1, 2001	1.42	11.8%	
July 1, 2002	1.62	14.1%	
July 1, 2003	1.78	9.9%	
July 1, 2004	2.00	12.4%	
July 1, 2005	2.22	11.0%	
July 1, 2006	2.22	0.0%	
July 1, 2007	2.37	6.8%	
July 1, 2008	2.39	0.8%	
July 1, 2009	2.31	-3.3%	
July 1, 2010	2.66	15.2%	
July 1, 2011	2.93	10.2%	
July 1, 2012	3.17	8.2%	

Total % Change: 207.8% Avg increase: 7.0%

SEWER TREATMENT COSTS

Sewage Disposal (per 1,000 gallons)

	DWS	SD*	YCUA	
Effective Date	<u>Rate</u>	% Change	Rate	% Change
			0.0004	
July 1, 1995	0.81		0.9834	
July 1, 1996	0.89	9.9%	0.9834	0.0%
July 1, 1997	0.91	2.2%	0.9565	-2.7%
July 1, 1998	0.96	5.5%	0.9808	2.5%
July 1, 1999	1.03	7.3%	1.0352	5.5%
July 1, 2000	1.05	1.9%	1.0023	-3.2%
July 1, 2001	1.02	-2.9%	1.1580	15.5%
July 1, 2002	1.13	10.8%	1.2255	5.8%
July 1, 2003	1.23	8.8%	1.2812	4.5%
July 1, 2004	1.26	2.4%	1.3469	5.1%
July 1, 2005	1.26	0.0%	1.3188	-2.1%
July 1, 2006	1.30	3.2%	1.4644	11.0%
July 1, 2007	1.31	0.8%	1.5236	4.0%
July 1, 2008	1.39	6.1%	1.6093	5.6%
July 1, 2009	1.41	1.4%	1.5759	-2.1%
October 1, 2010	1.47	4.3%	1.4904	-5.4%
July 1, 2011	1.44	-2.0%	1.6760	12.5%
July 1, 2012	1.49	3.5%	1.7263	3.0% *
Total %	Change:	84.0%	Total % Change:	75.5%
	increase:	3.7%	Avg increase:	3.5%

^{*}These rates exclude the DWSD fixed charges and Wayne County RVIS charges for transporting sewage to DWSD.

^{**}Estimated

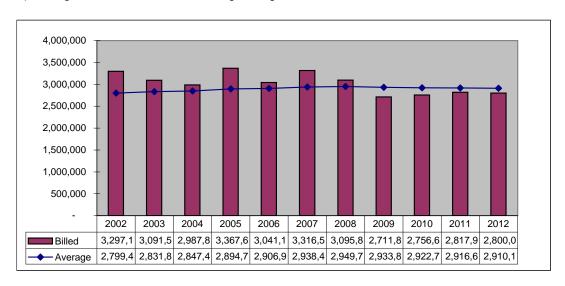
Canton Township Consumption History

(in thousand gallons)

Year	Purchased	Billed	UFW	UFW %	Average
1995	2,355,944	2,343,515	12,429	0.53%	
1996	2,542,252	2,541,189	1,063	0.04%	
1997	2,664,403	2,445,909	218,494	8.20%	
1998	2,661,325	2,908,818	(247,493)	-9.30%	
1999	3,106,622	3,096,507	10,115	0.33%	
2000	2,830,294	2,715,344	114,950	4.06%	
2001	2,864,657	3,047,036	(182,379)	-6.37%	2,728,331
2002	3,395,680	3,297,112	98,568	2.90%	2,799,429
2003	3,304,252	3,091,567	212,685	6.44%	2,831,889
2004	3,380,749	2,987,866	392,883	11.62%	2,847,486
2005	3,357,496	3,367,677	(10,181)	-0.30%	2,894,776
2006	3,067,676	3,041,124	26,552	0.87%	2,906,972
2007	3,470,575	3,316,524	154,051	4.44%	2,938,476
2008	3,227,748	3,095,821	131,927	4.09%	2,949,715
2009	2,740,788	2,711,855	28,933	1.06%	2,933,858
2010	2,705,751	2,756,646	(50,895)	-1.88%	2,922,782
2011	2,858,757	2,817,971	40,786	1.43%	2,916,617
2012	2,916,667	2,800,000	116,667	4.00%	2,910,138
Projection ba	sed on 17 Year	^r Average			
2012	2,972,645	2,916,617	56,029	1.66%	
Projection ba	sed on 16 Year	Trend Analysi	is		
2012	3,228,442	3,137,734	90,708	2.81%	

Note:

- 1) UFW means unaccounted for water which includes water loss due to leaks in older water mains, master meter error and customer meter error.
- 2) Average column indicates the running average of the annual amount billed.



Canton Township Water & Sewer Rate Analysis For the 2012 Budget Year

Budgeted Operating Expenses	
592-536 - Water Maintenance Budget	
Water Purchases	\$8,591,000
Meter Replacement	216,000
Indirect Costs	779,596
Depreciation	1,500,000
Maintenance & Operations	2,862,999
592-537 - Sewer Maintenance Budget	
Sewage Disposal	7,328,459
WTUA Operations	1,544,093
WTUA Debt Service	2,866,815
WTUA Capital Improvements	123,072
Interest Expense on bonds	3,277,233
Indirect Costs	879,118
Depreciation	1,100,000
Maintenance & Operations	2,303,844
592.560 - Water Billing Budget	454,339
Budgeted Operating Expenses	\$33,826,568
Current Year Cash Requirements	
Budgeted Operating Expenses	\$33,826,568
Less: Non-Cash Expenses (Depreciation)	(2,600,000)
Less: Other Revenues	(1,394,228)
Plus: Principal Payments (Not expensed, reduction of liability)	1,650,000
Current Year Cash Requirements	\$31,482,340

Canton Township Water & Sewer Rate Analysis For the 2012 Budget

	Customer Meter Size	Required Revenues to Meet Cash Requirements	Current Amount	Number of Customers	Revenue Projection Based on Current Rates	Proposed \$ Inc(Dec) Over Current Rate	Water/Sewer Rate* Required to Cover 2012 Budgeted Expenses per 1,000 Gallons	Revenue Projection Based on Proposed Rates	% Increase Over Current Rate
Fixed Fee Monthly Charge	1" (ar leas) w/s facting drains	P 2 F06 F22	ΦE 07	11 550	P720 422	\$0.00	ΦE 25	¢744 540	1 520/
Fixed Fee - Monthly Charge	1" (or less) w/o footing drains	\$2,506,523	\$5.27	11,550	\$730,422	\$0.08	\$5.35	\$741,510	1.52%
	2.0" meter w/o footing drains		\$21.08	1,474	\$372,863	\$0.32	\$21.40	\$378,523	1.52%
	1" (or less) with footing drains		\$9.91	10,000	\$1,189,200	\$0.43	\$10.34	\$1,240,800	4.34%
	1.5" meter		\$11.86	3	\$427	\$0.18	\$12.04	\$433	1.52%
	2.0" meter with footing drains		\$25.72	266	\$82,098	\$0.67	\$26.39	\$84,237	2.60%
	3.0" meter		\$47.43	52	\$29,596	\$0.72	\$48.15	\$30,046	1.52%
	4.0" meter		\$84.32	19	\$19,225	\$1.28	\$85.60	\$19,517	1.52%
	6.0" meter		\$189.72	5	\$11,383	\$2.88	\$192.60	\$11,556	1.52%
Variable rate									
Water Revenue		10,926,389	3.99		\$11,172,000	(\$0.09)	\$3.90	\$10,920,000	-2.26%
Sewer Revenue		17,435,028	6.40		\$17,920,000	(\$0.17)	\$6.23	\$17,444,000	-2.66%
Add'l Sewage Treatment	(Customers with footing drains)	614,400			\$511,680	,		\$614,400	
		\$31,482,340	\$10.39	23,369	\$32,038,894	(\$0.26)	\$10.13	\$31,485,022	-2.50%

PROJECTED CONSUMPTION:

2,800,000 thousand gallons

^{*} Rate based on average volume purchased, in thousand gallons: This assumes we get water and sewer charges on every unit billed

2012 Water Fixed Fee Service Charges

<u>Size</u>	<u>Bimonthly</u>	Quarterly
1" (or less)	5.88	8.82
1.5"	13.24	19.86
2.0"	23.54	35.31
3.0"	52.98	79.47
4.0"	94.18	141.27
6.0"	211.92	317.88
8.0"	376.74	565.11
10.0"	588.66	882.99

2012 Sewer Fixed Fee Service Charges

<u>Size</u>	<u>Bimonthly</u>	Quarterly
1" (or less) without FD	4.82	7.23
1" (or less) with FD	14.80	22.20
1.5"	10.84	16.26
2.0"	19.26	28.89
3.0"	43.32	64.98
4.0"	77.02	115.53
6.0"	173.28	259.92
8.0"	308.06	462.09
10.0"	481.34	722.01

2012 Total Fixed Fee Service Charges

<u>Size</u>	<u>Bimonthly</u>	Quarterly
1" (or less)	10.70	16.05
1" (or less)	28.04	42.06
1.5"	24.08	36.12
2.0"	42.80	64.20
3.0"	96.30	144.45
4.0"	171.20	256.80
6.0"	385.20	577.80
8.0"	684.80	1,027.20
10.0"	1,070.00	1,605.00

_		Monthly		
			Water	Sewer
Meter Size	2011 fee	2012 fee	55.02%	44.98%
1" (or less) w/o	5.27	5.35	2.94	2.41
1" (or less) with	9.91	10.34	2.94	7.40
1.5"	11.86	12.04	6.62	5.42
2.0" w/o	21.08	21.40	11.77	9.63
2.0" with	25.72	26.39	11.77	14.62
3.0"	47.43	48.15	26.49	21.66
4.0"	84.32	85.60	47.09	38.51
6.0"	189.72	192.60	105.96	86.64
8.0"	337.28	342.40	188.37	154.03
10.0"	527.00	535.00	294.33	240.67

Meter Size	Meter Ratios	Notes
1" (or less)	1.00	without footing drains connected
1" (or less)	1.00	with footing drains connected
1.5"	2.25	
2.0"	4.00	without footing drains connected
2.0"	4.00	with footing drains connected
3.0"	9.00	
4.0"	16.00	
6.0"	36.00	
8.0"	64.00	
10.0"	100.00	

Canton Township
Cash and Investment History

	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
Cash and cash equivalents Investments Restricted assets	\$19,329,481 12,253,050 208,425	\$23,792,673 15,016,269 206,632	\$21,608,568 20,785,038 204,588	\$32,441,985 14,575,001 202,295	\$28,040,505 20,102,119 173,325	\$10,396,549 17,994,363 165,325		\$ 1,215,735 29,357,464 156,450	\$ 367,309 26,791,414 149,450	\$ 1,127,553 18,068,304	\$ 7,415,892 6,845,841 43,377,714	\$ 3,611,224 8,836,014 29,719,039	\$ 1,234,533 8,693,832 18,055,888	2,542,951 7,845,446 14,034,887	\$ 7,377,409 6,155,463 12,214,488
	31,790,956	39,015,574	42,598,194	47,219,281	48,315,949	28,556,237	30,048,051	30,729,649	27,308,173	19,195,857	57,639,447	42,166,277	27,984,253	24,423,284	25,747,360
Cash available	31,582,531	38,808,942	42,393,606	47,016,986	48,142,624	28,390,912	29,884,601	30,573,199	27,158,723	19,195,857	14,261,733	12,447,238	9,928,365	10,388,397	13,532,872
Change from prior year		7,226,411	3,584,664	4,623,380	1,125,638	(19,751,712)	1,493,689	688,598	(3,414,476)	(7,962,866)	(4,934,124)	(1,814,495)	(2,518,873)	460,032	3,144,475

2011 Board

Accor	int N	lumba	r Dos	criptio
ACCOL	ли в	IUIIIDE		SCHIDUIOL

Fund: 592 - Water and Sewer

Revenues

Department: 000 - Non-Departmental

Fed Grnts - Federal Grants

501 Federal Grants 0.00

Account Classification Total: Fed Grnts - Federal Grants \$0.00

Cont & Dons - Contributions and Donations

674 0001 Contributions Donated Lines 0.00

Account Classification Total: Cont & Dons - Contributions and Donations \$0.00

71000unt Olac	Join Callett Cont & Done Contributions and Donations	ψ0.00
CFS - Charges for Servi	ces	
642_0000	Water Sales Ledger 0	4,500,000.00
642_0001	Water Sales Ledger 1	1,500,000.00
642_0002	Water Sales Ledger 2	2,600,000.00
642_0003	Water Sales Ledger 3	2,750,000.00
642_0010	Water Sales Equity Charges	160,000.00
642_0015	Water Sales Front Footage	10,000.00
642_0020	Water Sales Tap Fees	90,000.00
643_0000	Sewage Disposal Services Ledger 0	7,400,000.00
643_0001	Sewage Disposal Services Ledger 1	2,500,000.00
643_0002	Sewage Disposal Services Ledger 2	4,150,000.00
643_0003	Sewage Disposal Services Ledger 3	4,150,000.00
643_0010	Sewage Disposal Services Equity Charges	300,000.00
643_0015	Sewage Disposal Services Front Footage	20,000.00
643_0020	Sewage Disposal Services Capital Charges	0.00
644	Industrial Waste Charge	400,000.00
645_0000	Fixed Water & Sewer Charges Ledger 0	650,000.00
645_0001	Fixed Water & Sewer Charges Ledger 1	300,000.00
645_0002	Fixed Water & Sewer Charges Ledger 2	700,000.00
645_0003	Fixed Water & Sewer Charges Ledger 3	700,000.00
646_0000	Non-Sump Charge Ledger 0	0.00
646_0001	Non-Sump Charge Ledger 1	0.00
646_0002	Non-Sump Charge Ledger 2	0.00
646_0003	Non-Sump Charge Ledger 3	0.00
647_0000	Water Service Charges Ledger 0	3,000.00
647_0001	Water Service Charges Ledger 1	15,000.00
647_0002	Water Service Charges Ledger 2	8,000.00
647_0003	Water Service Charges Ledger 3	10,000.00
648_0000	Water Penalties Ledger 0	100,000.00
648_0001	Water Penalties Ledger 1	75,000.00
648_0002	Water Penalties Ledger 2	200,000.00
648_0003	Water Penalties Ledger 3	200,000.00
656	Interdept Services	0.00
	Account Classification Total: CFS - Charges for Services	\$33,491,000.00

FF - Fines and Forfeitures

Forfeited Bonds & Deposits 20,000.00

Account Classification Total: FF - Fines and Forfeitures \$20,000.00

664	Interest - Investments	110,000.00
665	Interest - Savings	5,000.00
	Account Classification Total: Int & Rent - Interest and Rental	\$115,000.00
Other Other Devenue		
Other - Other Revenue		404 222 00
671 673	Miscellaneous Revenue Sale of Fixed Assets	104,228.00
673	Account Classification Total: Other - Other Revenues	0.00 \$104,228.00
	Account Classification Total. Other - Other Revenues	φ104,220.00
Fund Balance - Fund B	alance Appropriation	
695	Fund Balance Appropriation	0.00
695 0001	Fund Balance Appropriation F/B Approp - Encumbrances	40,340.00
_	ssification Total: Fund Balance - Fund Balance Appropriation	\$40,340.00
	Department Total: 000 - Non-Departmental	\$33,770,568.00
	Revenues Total	\$33,770,568.00
Evnandituras		
Expenditures Perentment: F3C Water	Maintanana	
Department: 536 - Water		
Wages - Salaries and V	-	040 040 00
705_0010	Salaries and Wages Full-time - Civilian	840,312.00
705_0015 705_0020	Salaries and Wages Languity	23,000.00 13,200.00
705_0020 705_0025	Salaries and Wages Longevity Salaries and Wages Holiday Pay	0.00
705_0025	Salaries and Wages Meal Allowance	0.00
705_0055	Salaries and Wages Pay In Lieu	3,600.00
705_0060	Salaries and Wages Physical Skills	625.00
705_0080	Salaries and Wages Vacation Payout	7,517.00
705_0085	Salaries and Wages Sick Payout	0.00
708_0015	Overtime Overtime	16,000.00
	Account Classification Total: Wages - Salaries and Wages	\$904,254.00
Fringes - Payroll Taxes		
720_0010	Fringe Benefits FICA	69,176.00
720_0020	Fringe Benefits Unemployment	0.00
720_0025	Fringe Benefits Medical	139,232.00
720_0030	Fringe Benefits Dental	19,334.00
720_0035	Fringe Benefits Optical	2,200.00
720_0040 720_0045	Fringe Benefits Life	1,341.00
720_0045 720_0050	Fringe Benefits Disability Fringe Benefits Pension Contribution	1,081.00 116,503.00
720_0060	Fringe Benefits OPEB	57,827.00
720_0065	Fringe Benefits Workers Comp	28,433.00
	assification Total: Fringes - Payroll Taxes and Fringe Benefits	\$435,127.00
		4 100,121100
Supplies - Supplies		
722	Uniforms	7,643.00
727	Office Supplies	1,950.00
728	Books & Subscriptions	400.00
740	Operating Supplies	29,000.00
	Account Classification Total: Supplies - Supplies	\$38,993.00

801_0010	Professional and Contractual Svc Financial	20,000.00
801_0020	Professional and Contractual Svc Legal	9,150.00
801_0040	Professional and Contractual Svc Engineering	68,000.00
801_0050	Professional and Contractual Svc Professional	60,000.00
835	Employee Medical Exams	2,440.00
861_0001	Fleet Maintenance Charges Vehicle	90,368.00
861_0002	Fleet Maintenance Charges Equipment	30,396.00
861_0003	Fleet Maintenance Charges Fuel Costs	31,491.00
920_0010	Utilities Electric	18,550.00
920_0020	Utilities Gas	12,000.00
920_0030	Utilities Water	2,850.00
930_0010	Maintenance and Repair Computer Equipment	47,518.00
930_0020	Maintenance and Repair Buildings and Additions	3,500.00
930_0030	Maintenance and Repair Machinery and Equipment	4,100.00
930_0040	Maintenance and Repair Vehicles	48,800.00
930_0050	Maintenance and Repair Infrastructure	264,103.00
930_0060	Maintenance and Repair Office Equipment and Furniture	1,830.00
930_0070	Maintenance and Repair Grounds	9,150.00
805	Dues & Memberships	1,088.00
850	Communiciations	22,780.00
860	Transportation	1,500.00
900_0040	Printing and Publishing General	2,000.00
911	Liability Insurance	92,971.00
924_0001	WTUA WTUA Administration	0.00
924_0001	WTUA Retention Basin O & M	0.00
924_0002	WTUA Capital/Maintenance Charges	0.00
924_0003 925	· · · · · · · · · · · · · · · · · · ·	0.00
	YCUA Capacity Rental	
939	Inventory Purchased	216,000.00
940	Rentals	10,729.00
955	Conference & Seminars	9,272.00
956	Miscellaneous	4,000.00
965	Indirect Costs	779,596.00
Account Clas	ssification Total: Other Services - Other Services and Charges	\$1,864,182.00
Water - Water Purchas	200	
921	Water Purchases	9 501 000 00
921	Account Classification Total: Water - Water Purchases	8,591,000.00 \$8,591,000.00
	Account Glassification Total. Water - Water Furchases	φ0,331,000.00
Sewer - Sewage Dispo	osal Charges	
922	Sewage Disposal Charges	0.00
923	Industrial Waste Charges	0.00
927	Excess Flow Charges	0.00
	count Classification Total: Sewer - Sewage Disposal Charges	\$0.00
	ggg	Ų0.00
Depreciation - Depreci	ation	
968	Depreciation	1,500,000.00
	Account Classification Total: Depreciation - Depreciation	\$1,500,000.00
A A B B C C C C C C C C C C		
Cap Outlay - Capital O	· ·	
970_0010	Capital Outlay Computers and Equipment	37,039.00
970_0020	Capital Outlay Buildings and Improvements	0.00
970_0030	Capital Outlay Machinery and Equipment	0.00
970_0040		
070 0050	Capital Outlay Vehicles	52,000.00
970_0050	Capital Outlay Infrastructure	450,000.00
970_0050 970_0060	·	•

07	70_0070	Capital Outlay Land	0.00
	70_0070 70_0080	Capital Outlay Land Improvements	0.00
	70_0080 70_0090	Capital Outlay Work in Progress	0.00
91	0_0090	Account Classification Total: Cap Outlay - Capital Outlay	\$ 539,039.00
		Account Classification Total. Cap Outlay - Capital Outlay	φυυσ,υυσ.υυ
Deht Sv	c - Debt Service		
99		Bond Principal	0.00
	95	Bond Interest Expense	0.00
	97	Amortization	0.00
99		Paying Agent Fees	0.00
		Account Classification Total: Debt Svc - Debt Service	\$0.00
		, too and one of the second se	ψοισσ
Transfe	rs - Transfers Οι	ut	
99	99_1010	Transfers Out General	0.00
99	99_4020	Transfers Out Cap Projects - W&S	0.00
99	99_6610	Transfers Out Fleet Maintenance & Operations	0.00
99	99_7360	Transfers Out Post Employment Benefits	0.00
		Account Classification Total: Transfers - Transfers Out	\$0.00
Transfe	rs - Transfers In		
	990	Transfers in Fund Balance	\$77,000.00
		Account Classification Total: Transfers - Transfers IN	\$77,000.00
		Department Total: F2C - Water Maintenance	\$42.040 FOF 00
		Department Total: 536 - Water Maintenance	\$13,949,595.00
Donartmon	t: 537 - Sewer	Maintananaa	
-			
_	 Salaries and W 05_0010 	=	774,663.00
70	J3_UU IU	Salaries and Wages Full-time - Civilian	114.003.00
70	0015		
	05_0015 05_0020	Salaries and Wages Part-time	11,500.00
70	05_0020	Salaries and Wages Part-time Salaries and Wages Longevity	11,500.00 10,400.00
70 70	05_0020 05_0025	Salaries and Wages Part-time Salaries and Wages Longevity Salaries and Wages Holiday Pay	11,500.00 10,400.00 0.00
70 70 70	05_0020 05_0025 05_0055	Salaries and Wages Part-time Salaries and Wages Longevity Salaries and Wages Holiday Pay Salaries and Wages Pay In Lieu	11,500.00 10,400.00 0.00 1,320.00
70 70 70	05_0020 05_0025 05_0055 05_0060	Salaries and Wages Part-time Salaries and Wages Longevity Salaries and Wages Holiday Pay Salaries and Wages Pay In Lieu Salaries and Wages Physical Skills	11,500.00 10,400.00 0.00 1,320.00 375.00
70 70 70 70 70	05_0020 05_0025 05_0055 05_0060 05_0080	Salaries and Wages Part-time Salaries and Wages Longevity Salaries and Wages Holiday Pay Salaries and Wages Pay In Lieu Salaries and Wages Physical Skills Salaries and Wages Vacation Payout	11,500.00 10,400.00 0.00 1,320.00 375.00 4,552.00
70 70 70 70 70	05_0020 05_0025 05_0055 05_0060 05_0080 05_0085	Salaries and Wages Part-time Salaries and Wages Longevity Salaries and Wages Holiday Pay Salaries and Wages Pay In Lieu Salaries and Wages Physical Skills Salaries and Wages Vacation Payout Salaries and Wages Sick Payout	11,500.00 10,400.00 0.00 1,320.00 375.00 4,552.00 0.00
70 70 70 70 70	05_0020 05_0025 05_0055 05_0060 05_0080	Salaries and Wages Part-time Salaries and Wages Longevity Salaries and Wages Holiday Pay Salaries and Wages Pay In Lieu Salaries and Wages Physical Skills Salaries and Wages Vacation Payout Salaries and Wages Sick Payout Overtime Overtime	11,500.00 10,400.00 0.00 1,320.00 375.00 4,552.00 0.00 5,500.00
70 70 70 70 70	05_0020 05_0025 05_0055 05_0060 05_0080 05_0085	Salaries and Wages Part-time Salaries and Wages Longevity Salaries and Wages Holiday Pay Salaries and Wages Pay In Lieu Salaries and Wages Physical Skills Salaries and Wages Vacation Payout Salaries and Wages Sick Payout	11,500.00 10,400.00 0.00 1,320.00 375.00 4,552.00 0.00
70 70 70 70 70 70	05_0020 05_0025 05_0055 05_0060 05_0080 05_0085 08_0015	Salaries and Wages Sick Payout Overtime Overtime Account Classification Total: Wages - Salaries and Wages	11,500.00 10,400.00 0.00 1,320.00 375.00 4,552.00 0.00 5,500.00
70 70 70 70 70 70 Fringes	05_0020 05_0025 05_0055 05_0060 05_0080 05_0085 08_0015	Salaries and Wages Part-time Salaries and Wages Longevity Salaries and Wages Holiday Pay Salaries and Wages Pay In Lieu Salaries and Wages Physical Skills Salaries and Wages Vacation Payout Salaries and Wages Sick Payout Overtime Overtime Account Classification Total: Wages - Salaries and Wages and Fringe Benefits	11,500.00 10,400.00 0.00 1,320.00 375.00 4,552.00 0.00 5,500.00 \$808,310.00
70 70 70 70 70 70 Fringes	05_0020 05_0025 05_0055 05_0060 05_0080 05_0085 08_0015 - Payroll Taxes a	Salaries and Wages Part-time Salaries and Wages Longevity Salaries and Wages Holiday Pay Salaries and Wages Pay In Lieu Salaries and Wages Physical Skills Salaries and Wages Vacation Payout Salaries and Wages Sick Payout Overtime Overtime Account Classification Total: Wages - Salaries and Wages and Fringe Benefits Fringe Benefits FICA	11,500.00 10,400.00 0.00 1,320.00 375.00 4,552.00 0.00 5,500.00 \$808,310.00
70 70 70 70 70 70 Fringes 72	05_0020 05_0025 05_0055 05_0060 05_0080 05_0085 08_0015 - Payroll Taxes a	Salaries and Wages Part-time Salaries and Wages Longevity Salaries and Wages Holiday Pay Salaries and Wages Pay In Lieu Salaries and Wages Physical Skills Salaries and Wages Vacation Payout Salaries and Wages Sick Payout Overtime Overtime Account Classification Total: Wages - Salaries and Wages and Fringe Benefits	11,500.00 10,400.00 0.00 1,320.00 375.00 4,552.00 0.00 5,500.00 \$808,310.00
70 70 70 70 70 70 Fringes 72 72	05_0020 05_0025 05_0055 05_0060 05_0080 05_0085 08_0015 - Payroll Taxes a	Salaries and Wages Part-time Salaries and Wages Longevity Salaries and Wages Holiday Pay Salaries and Wages Pay In Lieu Salaries and Wages Physical Skills Salaries and Wages Vacation Payout Salaries and Wages Sick Payout Overtime Overtime Account Classification Total: Wages - Salaries and Wages and Fringe Benefits Fringe Benefits FICA Fringe Benefits Unemployment	11,500.00 10,400.00 0.00 1,320.00 375.00 4,552.00 0.00 5,500.00 \$808,310.00
70 70 70 70 70 70 Fringes 72 72 72	05_0020 05_0025 05_0055 05_0060 05_0080 05_0085 08_0015 - Payroll Taxes a 20_0010 20_0020	Salaries and Wages Part-time Salaries and Wages Longevity Salaries and Wages Holiday Pay Salaries and Wages Pay In Lieu Salaries and Wages Physical Skills Salaries and Wages Vacation Payout Salaries and Wages Sick Payout Overtime Overtime Account Classification Total: Wages - Salaries and Wages and Fringe Benefits Fringe Benefits Unemployment Fringe Benefits Medical	11,500.00 10,400.00 0.00 1,320.00 375.00 4,552.00 0.00 5,500.00 \$808,310.00 61,796.00 0.00 162,422.00
70 70 70 70 70 70 Fringes 72 72 72	05_0020 05_0025 05_0055 05_0060 05_0080 05_0085 08_0015 - Payroll Taxes a 20_0010 20_0020 20_0025 20_0030	Salaries and Wages Part-time Salaries and Wages Longevity Salaries and Wages Holiday Pay Salaries and Wages Pay In Lieu Salaries and Wages Physical Skills Salaries and Wages Vacation Payout Salaries and Wages Sick Payout Overtime Overtime Account Classification Total: Wages - Salaries and Wages and Fringe Benefits Fringe Benefits Unemployment Fringe Benefits Medical Fringe Benefits Dental	11,500.00 10,400.00 0.00 1,320.00 375.00 4,552.00 0.00 5,500.00 \$808,310.00 61,796.00 0.00 162,422.00 17,185.00
70 70 70 70 70 70 70 Fringes 72 72 72 72	05_0020 05_0025 05_0055 05_0060 05_0080 05_0085 08_0015 - Payroll Taxes a 20_0010 20_0020 20_0025 20_0030 20_0035	Salaries and Wages Part-time Salaries and Wages Longevity Salaries and Wages Holiday Pay Salaries and Wages Pay In Lieu Salaries and Wages Physical Skills Salaries and Wages Vacation Payout Salaries and Wages Sick Payout Overtime Overtime Account Classification Total: Wages - Salaries and Wages and Fringe Benefits Fringe Benefits FICA Fringe Benefits Unemployment Fringe Benefits Dental Fringe Benefits Optical	11,500.00 10,400.00 0.00 1,320.00 375.00 4,552.00 0.00 5,500.00 \$808,310.00 61,796.00 0.00 162,422.00 17,185.00 1,600.00
70 70 70 70 70 70 72 72 72 72 72 72	05_0020 05_0025 05_0055 05_0060 05_0080 05_0085 08_0015 - Payroll Taxes a 20_0010 20_0020 20_0025 20_0035 20_0035	Salaries and Wages Part-time Salaries and Wages Longevity Salaries and Wages Holiday Pay Salaries and Wages Pay In Lieu Salaries and Wages Physical Skills Salaries and Wages Vacation Payout Salaries and Wages Sick Payout Overtime Overtime Account Classification Total: Wages - Salaries and Wages and Fringe Benefits Fringe Benefits FICA Fringe Benefits Unemployment Fringe Benefits Medical Fringe Benefits Optical Fringe Benefits Life	11,500.00 10,400.00 0.00 1,320.00 375.00 4,552.00 0.00 5,500.00 \$808,310.00 61,796.00 0.00 162,422.00 17,185.00 1,600.00 1,246.00
70 70 70 70 70 70 72 72 72 72 72 72 72	05_0020 05_0025 05_0055 05_0060 05_0080 05_0085 08_0015 - Payroll Taxes a 20_0010 20_0020 20_0025 20_0035 20_0035 20_0040 20_0045	Salaries and Wages Part-time Salaries and Wages Longevity Salaries and Wages Holiday Pay Salaries and Wages Pay In Lieu Salaries and Wages Physical Skills Salaries and Wages Vacation Payout Salaries and Wages Sick Payout Overtime Overtime Account Classification Total: Wages - Salaries and Wages and Fringe Benefits Fringe Benefits Unemployment Fringe Benefits Unemployment Fringe Benefits Dental Fringe Benefits Optical Fringe Benefits Life Fringe Benefits Disability	11,500.00 10,400.00 0.00 1,320.00 375.00 4,552.00 0.00 5,500.00 \$808,310.00 61,796.00 0.00 162,422.00 17,185.00 1,600.00 1,246.00 1,009.00
70 70 70 70 70 70 70 72 72 72 72 72 72 72	05_0020 05_0025 05_0055 05_0060 05_0080 05_0085 08_0015 - Payroll Taxes a 20_0010 20_0020 20_0025 20_0035 20_0035 20_0040 20_0045 20_0050	Salaries and Wages Part-time Salaries and Wages Longevity Salaries and Wages Holiday Pay Salaries and Wages Pay In Lieu Salaries and Wages Physical Skills Salaries and Wages Vacation Payout Salaries and Wages Sick Payout Overtime Overtime Account Classification Total: Wages - Salaries and Wages and Fringe Benefits Fringe Benefits Unemployment Fringe Benefits Unemployment Fringe Benefits Dental Fringe Benefits Optical Fringe Benefits Disability Fringe Benefits Pension Contribution	11,500.00 10,400.00 0.00 1,320.00 375.00 4,552.00 0.00 5,500.00 \$808,310.00 61,796.00 0.00 162,422.00 17,185.00 1,600.00 1,246.00 1,009.00 109,544.00
70 70 70 70 70 70 70 72 72 72 72 72 72 72	05_0020 05_0025 05_0055 05_0060 05_0080 05_0085 08_0015 - Payroll Taxes a 20_0010 20_0020 20_0025 20_0030 20_0035 20_0040 20_0045 20_0050 20_0060 20_0060	Salaries and Wages Part-time Salaries and Wages Longevity Salaries and Wages Holiday Pay Salaries and Wages Pay In Lieu Salaries and Wages Physical Skills Salaries and Wages Vacation Payout Salaries and Wages Sick Payout Overtime Overtime Account Classification Total: Wages - Salaries and Wages and Fringe Benefits Fringe Benefits Unemployment Fringe Benefits Medical Fringe Benefits Dental Fringe Benefits Optical Fringe Benefits Disability Fringe Benefits Pension Contribution Fringe Benefits OPEB	11,500.00 10,400.00 0.00 1,320.00 375.00 4,552.00 0.00 5,500.00 \$808,310.00 61,796.00 0.00 162,422.00 17,185.00 1,600.00 1,246.00 1,009.00 109,544.00 53,769.00
7(7(7(7(7(7(7) 72 72 72 72 72 72 72 72	05_0020 05_0025 05_0025 05_0055 05_0080 05_0085 08_0015 - Payroll Taxes a 20_0010 20_0020 20_0025 20_0035 20_0035 20_0040 20_0045 20_0050 20_0065 Account Clas	Salaries and Wages Part-time Salaries and Wages Longevity Salaries and Wages Holiday Pay Salaries and Wages Pay In Lieu Salaries and Wages Physical Skills Salaries and Wages Vacation Payout Salaries and Wages Sick Payout Overtime Overtime Account Classification Total: Wages - Salaries and Wages and Fringe Benefits Fringe Benefits FICA Fringe Benefits Unemployment Fringe Benefits Medical Fringe Benefits Optical Fringe Benefits Life Fringe Benefits Disability Fringe Benefits Pension Contribution Fringe Benefits OPEB Fringe Benefits Workers Comp	11,500.00 10,400.00 0.00 1,320.00 375.00 4,552.00 0.00 5,500.00 \$808,310.00 61,796.00 0.00 162,422.00 17,185.00 1,600.00 1,246.00 1,009.00 109,544.00 53,769.00 26,807.00
70 70 70 70 70 70 70 72 72 72 72 72 72 72 72 72 72 72 72 72	05_0020 05_0025 05_0055 05_0060 05_0080 05_0085 08_0015 - Payroll Taxes and the second of the	Salaries and Wages Part-time Salaries and Wages Longevity Salaries and Wages Holiday Pay Salaries and Wages Pay In Lieu Salaries and Wages Physical Skills Salaries and Wages Vacation Payout Salaries and Wages Sick Payout Overtime Overtime Account Classification Total: Wages - Salaries and Wages and Fringe Benefits Fringe Benefits FICA Fringe Benefits Unemployment Fringe Benefits Medical Fringe Benefits Optical Fringe Benefits Disability Fringe Benefits Disability Fringe Benefits Pension Contribution Fringe Benefits OPEB Fringe Benefits Workers Comp sification Total: Fringes - Payroll Taxes and Fringe Benefits	11,500.00 10,400.00 0.00 1,320.00 375.00 4,552.00 0.00 5,500.00 \$808,310.00 61,796.00 0.00 162,422.00 17,185.00 1,600.00 1,246.00 1,009.00 109,544.00 53,769.00 26,807.00 \$435,378.00
70 70 70 70 70 70 70 72 72 72 72 72 72 72 72 72 72 72 72 72	05_0020 05_0025 05_0055 05_0060 05_0080 05_0085 08_0015 - Payroll Taxes and a company of the company of	Salaries and Wages Part-time Salaries and Wages Longevity Salaries and Wages Holiday Pay Salaries and Wages Pay In Lieu Salaries and Wages Physical Skills Salaries and Wages Vacation Payout Salaries and Wages Sick Payout Overtime Overtime Account Classification Total: Wages - Salaries and Wages and Fringe Benefits Fringe Benefits Unemployment Fringe Benefits Medical Fringe Benefits Dental Fringe Benefits Optical Fringe Benefits Disability Fringe Benefits Pension Contribution Fringe Benefits OPEB Fringe Benefits Workers Comp sification Total: Fringes - Payroll Taxes and Fringe Benefits Uniforms	11,500.00 10,400.00 0.00 1,320.00 375.00 4,552.00 0.00 5,500.00 \$808,310.00 61,796.00 0.00 162,422.00 17,185.00 1,600.00 1,246.00 1,009.00 109,544.00 53,769.00 26,807.00 \$435,378.00
70 70 70 70 70 70 70 72 72 72 72 72 72 72 72 72 72 72 72 72	05_0020 05_0025 05_0055 05_0060 05_0080 05_0085 08_0015 - Payroll Taxes and the second of the	Salaries and Wages Part-time Salaries and Wages Longevity Salaries and Wages Holiday Pay Salaries and Wages Pay In Lieu Salaries and Wages Physical Skills Salaries and Wages Vacation Payout Salaries and Wages Sick Payout Overtime Overtime Account Classification Total: Wages - Salaries and Wages and Fringe Benefits Fringe Benefits FICA Fringe Benefits Unemployment Fringe Benefits Medical Fringe Benefits Optical Fringe Benefits Disability Fringe Benefits Disability Fringe Benefits Pension Contribution Fringe Benefits OPEB Fringe Benefits Workers Comp sification Total: Fringes - Payroll Taxes and Fringe Benefits	11,500.00 10,400.00 0.00 1,320.00 375.00 4,552.00 0.00 5,500.00 \$808,310.00 61,796.00 0.00 162,422.00 17,185.00 1,600.00 1,246.00 1,009.00 109,544.00 53,769.00 26,807.00 \$435,378.00

740	Operating Supplies	7,560.00
	Account Classification Total: Supplies - Supplies	\$16,036.00
		·
	Services and Charges	
801_0010	Professional and Contractual Svc Financial	21,500.00
801_0020	Professional and Contractual Svc Legal	15,000.00
801_0040	Professional and Contractual Svc Engineering	68,000.00
801_0050	Professional and Contractual Svc Professional	20,000.00
835	Employee Medical Exams	1,560.00
861_0001	Fleet Maintenance Charges Vehicle	59,206.00
861_0002	Fleet Maintenance Charges Equipment	34,276.00
861_0003	Fleet Maintenance Charges Fuel Costs	20,040.00
920_0010	Utilities Electric	21,515.00
920_0020	Utilities Gas	8,000.00
920_0030	Utilities Water	1,820.00
930_0010	Maintenance and Repair Computer Equipment	30,261.00
930_0020	Maintenance and Repair Buildings and Additions	10,639.00
930_0030 930_0040	Maintenance and Repair Machinery and Equipment Maintenance and Repair Vehicles	3,000.00 0.00
930_0040	Maintenance and Repair Venicles Maintenance and Repair Infrastructure	114,000.00
930_0060	Maintenance and Repair Infrastructure Maintenance and Repair Office Equipment and Furniture	1,170.00
930_0000	Maintenance and Repair Grounds	5,850.00
805	Dues & Memberships	592.00
850	Communiciations	6,720.00
860	Transportation	1,500.00
900_0040	Printing and Publishing General	2,500.00
911	Liability Insurance	59,441.00
924_0001	WTUA WTUA Administration	354,000.00
924_0002	WTUA Retention Basin O & M	1,190,093.00
924_0003	WTUA Capital/Maintenance Charges	123,072.00
925	YCUA Capacity Rental	338,593.00
939	Inventory Purchased	0.00
940	Rentals	6,860.00
955	Conference & Seminars	5,928.00
956	Miscellaneous	14,858.00
965	Indirect Costs	879,118.00
Account Clas	ssification Total: Other Services - Other Services and Charges	\$3,419,112.00
0 0 0:	101	
Sewer - Sewage Dispo		F 744 000 00
922	Sewage Disposal Charges	5,711,200.00
923 927	Industrial Waste Charges Excess Flow Charges	536,019.00 742,647.00
	count Classification Total: Sewer - Sewage Disposal Charges	\$6,989,866.00
A	count classification rotal. Sewel - Sewaye Disposal Charges	ψ0,303,000.00
Depreciation - Depreci	ation	
968	Depreciation	1,100,000.00
	Account Classification Total: Depreciation - Depreciation	\$1,100,000.00
Cap Outlay - Capital O	·	
970_0010	Capital Outlay Computers and Equipment	34,559.00
970_0020	Capital Outlay Buildings and Improvements	0.00
970_0030	Capital Outlay Machinery and Equipment	25,000.00
970_0050	Capital Outlay Office Fourier and Furniture	450,000.00
970_0060	Capital Outlay Office Equipment and Furniture	0.00
	Account Classification Total: Cap Outlay - Capital Outlay	\$509,559.00

Debt Svc - Debt Service		
991	Bond Principal	2,866,815.00
995 998	Bond Interest Expense Paying Agent Fees	3,277,233.00 325.00
	Account Classification Total: Debt Svc - Debt Service	\$6,144,373.00
		, , , , , , , , , , , , , , , , , , , ,
Transfers - Transfers Ou	ut	
999_1010	Transfers Out General	0.00
999_6610	Transfers Out Fleet Maintenance & Operations	0.00
999_7360	Transfers Out Post Employment Benefits	0.00
	Account Classification Total: Transfers - Transfers Out	\$0.00
	Department Total: 537 - Sewer Maintenance	\$19 422 634 00
	Department Total. 337 - Gewer Maintenance	Ψ13, 1 22,034.00
Department: 560 - Water B	Billing	
Wages - Salaries and W	•	
705_0010	Salaries and Wages Full-time - Civilian	207,914.00
705_0015	Salaries and Wages Part-time	0.00
705_0020	Salaries and Wages Longevity	2,040.00
705_0055	Salaries and Wages Pay In Lieu	2,400.00
705_0060	Salaries and Wages Physical Skills	100.00
705_0080	Salaries and Wages Vacation Payout	0.00
708_0015	Overtime Overtime	2,000.00
	Account Classification Total: Wages - Salaries and Wages	\$214,454.00
Fringes - Payroll Taxes a	-	
720_0010	Fringe Benefits FICA	16,405.00
720_0020	Fringe Benefits Unemployment	0.00
720_0025	Fringe Benefits Medical	32,909.00
720_0030	Fringe Benefits Dental	6,587.00
720_0035	Fringe Benefits Optical	400.00
720_0040	Fringe Benefits Life	400.00
720_0045	Fringe Benefits Disability	301.00
720_0050	Fringe Benefits Pension Contribution	29,984.00
720_0060	Fringe Benefits OPEB	9,811.00
720_0065	Fringe Benefits Workers Comp ssification Total: Fringes - Payroll Taxes and Fringe Benefits	488.00 \$97,285.00
Account Clas	ssilication Total. Filliges - Payroll Taxes and Fillige Bellents	φ91,203.00
Supplies - Supplies		
722	Uniforms	0.00
727	Office Supplies	1,900.00
729	Postage	40,000.00
	Account Classification Total: Supplies - Supplies	\$41,900.00
Other Services - Other S	<u> </u>	
801_0050	Professional and Contractual Svc Professional	63,000.00
930_0060	Maintenance and Repair Office Equipment and Furniture	5,200.00
805	Dues & Memberships	0.00
860	Transportation	0.00
900_0040	Printing and Publishing General	22,000.00
955	Conference & Seminars	1,500.00
956	Miscellaneous	500.00
Account Class	ification Total: Other Services - Other Services and Charges	\$92,200.00

Cap Outlay - Capital Outlay	
970_0010 Capital Outlay Computers and Equipment	8,500.00
Account Classification Total: Cap Outlay - Capital Ou	utlay \$8,500.00
Department Total: 560 - Water Bil	lling \$454,339.00
Expenditures T	Total \$33,826,568.00
Fund Revenue Total: 592 - Water and Se	wer \$33,770,568.00
Fund Expenditure Total: 592 - Water and Se	wer \$33,826,568.00
Fund Net Total: 592 - Water and Se	wer (\$56,000.00)

Appendix B

Customer Rate Impact Examples

WATER & SEWER COST CHANGES - SUMMARY TABLE

Type	Quarterly Volume	<u>2011 Bill</u>	2012 Bill	Quarterly Amount Change	Percentage Cost Change	
Residential Accounts						
low	9,000	\$109.32	\$107.22	-\$2.10	-1.92%	
average	32,283	\$351.23	\$343.08	-\$8.15	-2.32%	
family of five	44,000	\$472.97	\$461.77	-\$11.20	-2.37%	
high	78,750	\$834.02	\$813.79	-\$20.23	-2.43%	
HOA Common Area Irrigation Accounts						
low	38,000	\$403.28	\$393.76	-\$9.52	-2.36%	
moderate	255,000	\$2,683.26	\$2,618.46	-\$64.80	-2.41%	
high	685,000	\$7,150.96	\$6,974.36	-\$176.60	-2.47%	
<u>Type</u>	Bi-monthly Volume	2011 Bill	2012 Bill	<u>Bi-Monthly</u> <u>Amount Change</u>	Percent Change	
Commercial Accounts						
business	157,000	\$1,673.39	\$1,633.21	-\$40.18	-2.40%	
apartments	239,000	\$2,609.69	\$2,549.47	-\$60.22	-2.31%	

Notes:

1) These are sample calculations only for a few select types of customers, individual impacts on customer bills will vary depending on usage.

Appendix C

Communications Plan

Water & Sewer Rates – Strategic Communications Plan

Last Updated: 4/1/2012

Mission:

The primary purpose of this communications plan is "to better educate the residents and businesses on the cost of providing water and sewer services".

Goals:

The following goals have been developed in support of our mission.

- 1. To explain the rationale behind the cost-of-service study (fixed plus variable cost).
- 2. To demonstrate the value of water and sewer services as an essential service for public health, safety and fire fighting purposes.
- 3. To have a central repository of documents on rate information that is easily accessible to the public.

Communications Update:

March: An article was placed in the Observer Newspaper explaining that the Board was looking to decrease water and sewer rates in order to reflect the full costs of treatment and delivery of drinking water and wastewaster utilities. Readers were also asked to attend our Community Rate Forums on March 12th to learn more about rates.

April: The complete 2012 Water and Sewer Rate Study will be posted on the Water Billing webpage for easy download.

May: An article will be placed in the May Focus Newsletter informing residents of the new 2012 rates. Water Billing's webpage will be updated with the new rates and water and sewer rate cards will be updated and inserted into water bills mailed out after May 1st explaining the increase and directing residents to the website for more information.

In addition, a comprehensive list of frequently asked questions (FAQ) posted on the Water Billing Webpage will be updated. Printed copies will be made available at the Water Billing, Public Works and DPW counters.

Tim Faas will also appear on Canton Contact to discuss the new rates and how it will impact residents' bills. At the end of the interview, viewers will be directed to the township website for more information. A segment on the new rates will also be prepared for Canton This Month which will run in May/June.

June: Informational water rate facts will be updated and added to the Focus Newsletter. For more information on Canton's water and sewer rates, please visit our website at www.canton-mi.org/water.

In addition, PSAs with facts such as the one above will be prepared by the cable studio to be aired throughout the year. Each PSA will end by directing viewers to the website for more information.

Appendix D

DWSD Industrial Waste Control (IWC) Charges

Sewage System Schedule of Comparative IWC Service Charges

Meter Size	Existing Rate	Proposed Rate	<u>Change</u>	% Change
(inches)	(\$/month)	(\$/month)	(\$/month)	
- /0	^-	A 2.40	40.04	
5/8	\$7.85	\$8.46	\$0.61	7.8%
3/4	\$11.78	\$12.69	\$0.91	7.7%
1	\$19.63	\$21.15	\$1.52	7.7%
1.5	\$43.18	\$46.53	\$3.35	7.8%
2	\$62.80	\$67.68	\$4.88	7.8%
3	\$113.83	\$122.67	\$8.84	7.8%
4	\$157.00	\$169.20	\$12.20	7.8%
6	\$235.50	\$253.80	\$18.30	7.8%
8	\$392.50	\$423.00	\$30.50	7.8%
10	\$549.50	\$592.20	\$42.70	7.8%
12	\$628.00	\$676.80	\$48.80	7.8%
14	\$785.00	\$846.00	\$61.00	7.8%
16	\$942.00	\$1,015.20	\$73.20	7.8%
18	\$1,099.00	\$1,184.40	\$85.40	7.8%
20	\$1,256.00	\$1,353.60	\$97.60	7.8%
24	\$1,413.00	\$1,522.80	\$109.80	7.8%
30	\$1,570.00	\$1,692.00	\$122.00	7.8%
36	\$1,727.00	\$1,861.20	\$134.20	7.8%
48	\$1,884.00	\$2,030.40	\$146.40	7.8%

Appendix E

DWSD Industrial Surcharge Rates

Sewage System Schedule of Comparative Surcharges

<u>Pollutant</u>	Existing Rate (\$/lb)	Proposed Rate (\$/lb)	<u>Change</u> (\$/lb)	% Change
Biochemical Oxygen Demand (BOD) (in excess of 275 mg/L)	\$0.269	\$0.438	\$0.169	62.83%
Total Suspended Solids (TSS) (in excess of 350 mg/L)	\$0.338	\$0.445	\$0.107	31.66%
Phosphorus (P) (in excess of 12 mg/L)	\$3.717	\$6.564	\$2.847	76.59%
Fats, Oils & Grease (FOG) (in excess of 100 mg/L)	\$0.258	\$0.422	\$0.164	63.57%