

Water & Sewer Chart Updates – 9/30/2010

Chart 8 – W&S Bill Revenues

- 2010 revenues flat at \$7.3 million
 - Minimum charge revenues up +43K
 - Excess rate revenues down -\$11K
 - Roughly 40 new accounts

Chart 9 – W&S Flow Volumes

- City well flows are down -7% (22mg)
 - Well flows in continuous decline since October 2009
 - Winter -3% Summer -9%
 - Private meter readings down -5% (11mg)
 - Winter -16% Summer -1%
 - Implied public sector usage down -20% (11mg)
 - Winter +25% Summer -69%
 - Summer visitor activity, city initiatives and/or something else?
- Public Sector
 - Non-private water usage
 - Includes municipal facilities, water main flushing, leaking pipes, etc.
 - Monitoring 39 municipal facilities meters began this past year
 - SICTA projects about 20-25 mg annually
 - Explains about half the difference between well flows (287 mg) and private meters (243mg)
 - Prior year comparison unavailable
- MUA flows are up +11% (49mg)
 - Winter +32% Summer -1%
 - Yet to see any flow evidence of reduction in infiltration/inflow problems
 - Still paying to treat as much as 200mg in “clean water”

Water & Sewer Bill Revenues

Chart 8

	<u>Apr 2006</u>	<u>Oct 2006</u>	<u>Apr 2007</u>	<u>Oct 2007</u>	<u>Apr 2008</u>	<u>Oct 2008</u>	<u>Apr 2009</u>	<u>Oct 2009</u>	<u>Apr 2010</u>	<u>Oct 2010</u>
<u>Water</u>										
Minimums	\$483,630	\$492,450	\$845,040	\$852,840	\$851,400	\$857,160	\$994,280	\$1,001,280	\$1,001,560	\$1,005,620
Excess	<u>\$10,701</u>	<u>\$77,135</u>	<u>\$20,137</u>	<u>\$77,383</u>	<u>\$13,611</u>	<u>\$69,487</u>	<u>\$18,015</u>	<u>\$65,348</u>	<u>\$12,959</u>	<u>\$64,748</u>
Total	\$494,331	\$569,585	\$865,177	\$930,223	\$865,011	\$926,647	\$1,012,295	\$1,066,628	\$1,014,519	\$1,070,368
Change %			75%	63%	0%	0%	17%	15%	0%	0%
<u>Sewer</u>										
Minimums	\$1,892,520	\$1,927,240	\$2,204,800	\$2,225,280	\$2,222,080	\$2,237,120	\$2,571,870	\$2,590,370	\$2,591,110	\$2,602,210
Excess	<u>\$9,760</u>	<u>\$71,827</u>	<u>\$16,708</u>	<u>\$69,785</u>	<u>\$11,504</u>	<u>\$63,158</u>	<u>\$15,838</u>	<u>\$58,907</u>	<u>\$11,245</u>	<u>\$58,480</u>
Total	\$1,902,280	\$1,999,067	\$2,221,508	\$2,295,065	\$2,233,584	\$2,300,278	\$2,587,708	\$2,649,277	\$2,602,355	\$2,660,690
Change %			17%	15%	1%	0%	16%	15%	1%	0%
<u>Total</u>										
Minimums	\$2,376,150	\$2,419,690	\$3,049,840	\$3,078,120	\$3,073,480	\$3,094,280	\$3,566,150	\$3,591,650	\$3,592,670	\$3,607,830
Excess	<u>\$20,461</u>	<u>\$148,962</u>	<u>\$36,845</u>	<u>\$147,169</u>	<u>\$25,115</u>	<u>\$132,645</u>	<u>\$33,853</u>	<u>\$124,255</u>	<u>\$24,204</u>	<u>\$123,228</u>
Total	\$2,396,611	\$2,568,652	\$3,086,685	\$3,225,289	\$3,098,595	\$3,226,925	\$3,600,003	\$3,715,905	\$3,616,874	\$3,731,058
Change %			29%	26%	0%	0%	16%	15%	0%	0%
<u>Annual Totals</u>										
Minimums		\$4,795,840		\$6,127,960		\$6,167,760		\$7,157,800		\$7,200,500
Excess		<u>\$169,423</u>		<u>\$184,013</u>		<u>\$157,761</u>		<u>\$158,108</u>		<u>\$147,432</u>
Total		\$4,965,263		\$6,311,973		\$6,325,521		\$7,315,908		\$7,347,932
Change %				27%		0%		16%		0%



Notes:

- 1) Rate increases were effective for both the April 2007 and April 2009 billing cycles.
- 2) If you are interested in the water & sewer rates underlying these revenues, please see our separate chart.

Water & Sewage Flow Volumes

(Millions of Gallons)

	April Bills		October Bills		Fiscal Year		Monthly Volumes													
							Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total	
City Well Flows																				
2003	NA		NA		NA		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
2004	NA		NA		NA		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	315.7	
2005	NA		210.9		NA		13.9	11.8	11.7	16.4	22.5	35.9	63.7	60.7	31.8	16.1	13.9	11.3	309.7	-2%
2006	92.9		186.1	-12%	279.0		10.6	9.1	8.2	9.0	18.3	29.2	61.7	59.7	25.9	14.2	11.5	10.4	268.0	-13%
2007	85.6	-8%	175.8	-6%	261.4	-6%	11.1	12.5	8.2	7.9	17.9	30.5	55.0	56.3	27.2	16.0	11.8	11.0	265.3	-1%
2008	86.6	1%	218.1	24%	304.7	17%	11.0	9.7	11.7	12.8	22.9	37.7	66.1	67.1	27.6	17.1	11.9	10.9	306.1	15%
2009	90.2	4%	219.1	0%	309.2	1%	12.1	10.7	11.0	14.1	27.0	36.9	66.0	64.0	31.6	15.5	11.5	9.5	310.0	1%
2010	87.3	-3%	199.7	-9%	287.0	-7%	9.5	9.6	9.8	12.1	22.9	33.1	62.7	59.3	28.9					
2010 YTD Flows							9.5	19.2	28.9	41.0	63.9	97.0	159.6	218.9	247.8					
2010 YTD Change							-21%	-16%	-14%	-15%	-15%	-13%	-10%	-10%	-9%					
Private Water Meter Usage																				
2003	NA		NA		NA															
2004	NA		NA		NA															
2005	NA		NA		NA															
2006	NA		NA		NA															
2007	NA		NA		NA															
2008	NA		192.7		NA															
2009	61.7		193.2	0%	254.9															
2010	51.7	-16%	191.7	-1%	243.4	-5%														
Customer water meter readings are performed twice a year, so monthly usage figures are not available.																				
MUA Flows																				
2003	NA		269.6		NA		24.5	27.9	30.1	29.0	30.8	46.9	67.7	65.1	33.1	25.1	29.2	29.0	438.4	
2004	160.8		257.1	-5%	417.9		22.0	22.4	25.0	27.5	31.4	41.2	63.4	68.5	37.4	26.4	24.2	22.5	412.0	-6%
2005	154.3	-4%	250.6	-3%	404.9	-3%	22.1	21.7	25.6	23.6	32.8	40.9	65.9	61.8	32.2	29.1	22.1	24.4	402.1	-2%
2006	157.0	2%	233.8	-7%	390.8	-3%	28.1	21.1	17.8	20.8	30.4	40.4	65.1	59.4	38.2	29.5	29.0	22.0	401.7	0%
2007	160.2	2%	244.9	5%	405.2	4%	22.5	19.1	23.5	26.0	29.7	43.7	61.8	60.3	33.5	25.4	21.3	26.2	392.8	-2%
2008	151.9	-5%	262.2	7%	414.1	2%	22.6	23.1	23.5	22.6	40.0	45.3	64.7	66.2	35.2	25.0	26.7	30.0	424.6	8%
2009	160.5	6%	275.1	5%	435.6	5%	23.9	19.9	22.5	29.9	36.9	49.9	66.5	69.5	47.8	37.1	34.9	33.1	471.8	11%
2010	212.5	32%	271.9	-1%	484.3	11%	25.8	33.8	37.8	28.4	34.9	40.7	65.1	65.1	36.1					
2010 YTD Flows							25.8	59.5	97.3	125.7	160.6	201.3	266.3	331.4	367.5					
2010 YTD Change							8%	36%	47%	31%	21%	10%	7%	4%	0%					



Notes:

- 1) April bill cycle covers six months ending roughly March 1st , October bill cycle covers six months ending roughly September 1st.
- 2) Five City owned and operated wells that are the source for all of our water.
- 3) Water Meter Usage represents readings from private customers only. Historically, municipal facilities (e.g. City Hall, Community Lodge, Dealy Field, Public Safety Building, Marina, Restrooms, etc.) have not been monitored. The City has begun monitoring roughly 39 facilities over the last year. It is still early in the new monitoring process, but it appears to explain roughly 20-25mg of the 43.6mg difference between City Well Flows and private Water Meter Usage shown above.
- 4) Sea Isle City sewage is sent for MUA treatment through a single location that is the source for the above MUA Flows. Infiltration and Inflow can enter our sewer system from many sources. It is not directly measurable, but is the main reason MUA Flows are currently much more than the City Well Flows.