State of Florida





Public Service Commission

-M-E-M-O-R-A-N-D-U-M-

DATE: January 11, 1999

TO: Division of Records and Reporting

FROM: Division of Water and Wastewater (Lingo)

RE: Docket No. 980214-WS, Application of United Water Florida for Increased Rates and Charges in Nassau, Duval and St. Johns Counties

Please place the attached faxed documents received from the above-referenced utility into the appropriate docket file. Thank you.

ACK	
AFA	
APP	
CAF	
CMU	
ETR	Attch: Fax received 12/17/98
EAG	
LEG	cc w/o Attch: Division of Water and Wastewater (Hill, Willis, Williams, Bethea, Merchant, B. Davis)
[j,h]	Division of Legal Services (Reyes)
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SEC	DOCUMENT NUMBER-DATE
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	FPSC-RECORDS/REPORTING

United Water.

United Water Management and Services 200 Old Hook Road Harrington Park, NJ 07640-1799 telephone 201 767 9300 facsimile 201 986 4996

Fax

Date:

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To:

12/17/88 Krny Linger

Fax number:

From:

Frank Fradilone

Subject:

of pages:

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UWFL 98

Any, Here's what I have offer on wy onelysis. This part cover AL wuster pater side - 11m still covering or the water side. I that this gets us going on the right drack, talle to gov domanuto,

If You Have Any Problems Receiving This Fax Please Contact Jen Schlissel (201 634 4253)

United Water Florida Assessment of Staff Wastewater Analysis Case 980214-WS

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In reviewing Staff's analysis it appears that there was a misunderstanding of what the Company calls "book" data, and Staff refers to as the "forecast" data. In particular, it was not made clear that total consumption by month shown in the "book/forecast" database represents total water service meter readings recorded for the residential sewer class, rather than the amount billed. Residential sewer bills are based on the amount billed for water service, but only up to a maximum of 27,000 gallons per quarterly bill. Overall this translates into a difference of about 30% between total consumption as read and total consumption billed. The difference between the "book/forecast" consumption and the consumption in the bill analysis, as shown in Table 1 (columns 4 & 5 for the residential sector), is the result of this difference, not a missed conversion from gallons to CCF. Table 1 shows that the basic bill determinants for the number of bills rendered and consumption actually billed directly from the raw bill analysis, produced revenues within 1.35% of actual revenues booked during the historical test year. Since, the bill determinants from the raw bill analysis produced revenues that were very close to book revenues, and since the "book/forecast" data are subject to data entry errors, corrections and adjustments, it was decided to rely on the bill analysis for the purposes of setting a base for UWF's revenue analysis. As shown in Table 2 with some relatively minor adjustments to the billed consumption determinates in the raw bill analysis, a rate proof for total revenues booked in the historical test year was able to be produced. (The slight difference in the rate proof and the books accounts for the 1.04% rate increase that went into effect in December 1997.) Based on these bill determinants the historical test year was then priced out at current rates to determine what the current rate structure would have produced for the entire year historical (Table 3). Before proceeding with our projections one additional adjustment was made to the historical base year, it was adjusted for the difference between actual use in the test year, and the normalized use. These adjustments were based on the

normalizing adjustments for water services as shown in Table 1. 3 and 5 of Schedule G-42. The resulting normalized wastewater bill analysis, which formed the basis for the projections moving forward are shown in Table 4. Projections for 1998 and 1999 were based on assessing the trend in "booked" water use over the 1991 through 1997 period. These data provide a consistent and long run data history of usage trends. To make the projections for the 1998 interim rate year and the 1999 rate year the differences in the trend in water and wastewater use as assessed from the "book" data were added to the bill determinates as derived in Table 4. The results were then annualized to account for growth during the year. That is, the process was additive, a building up from a reliable base based on an assessment of the rate of growth in each of the sectors as analyzed in Schedule G-42. The results the 1999 rate year. representing 2 years of growth and annualization of that growth, are shown in Table 5. Bottom-line for the wastewater sector, the Company recorded \$15,791,768 in revenue (Tables 1 & 2) under the rates that were in effect during the 1997 historical test year, which included a 14% rate increases mid-year. Based on current rates and normalized use during the test year, UWF determined that test year revenues would have been \$17.235.660 (Table 4). Based on our assessment of growth trends in the service are, we project 1999 rate vear wastewater revenues of \$18,644,596 (Table 5), an increase of \$1.4 million, or 8.2%. The Companies water services analysis yields a similar percent increase from the test year to the rate year, +8.4%. That is, there is a close and expected relationship between the amount of growth in the water and wastewater services sectors. Staff's analysis, projects a water sector increase of about 10% and a wastewater increase of over 20% (Table 6). This inconsistency is mostly the result of Staff's misunderstanding of the difference between "books/forecast" data and the bill analysis. This item alone is worth about \$1.6 million overall. Differences in the base used as a starting point (books vs. bill analysis), and growth projections account for the rest of the difference.

SUMMARY OF WASTEWATER BILL ANALYSIS FOR PERIOD 1-12/97 PRICED AT RATES EFFECTIVE DURING THE YEAR

	(1) BILLS RENDERED [Bill analysis]	(2) FIXED CHARGE [UWFL tariff]	(3) FIXED REVENUE [(6) * (7)]	(4) TOTAL CONSUMPTION IN KG [(02)* 0.748]	(5) BILLED CONSUMPTION IN KG [(12) * 0.748]	(6) UNBILLED CONSUMPTION IN KG [(0)-00)]	(7) BILLING UNITS AS READ	AS READ	(9) BILLED CONSUMPTION AS READ (Bil analysis)	(10) UNBILLED	(11) QUANTITY RATE AS BILLED (UWFL tariff)	(12) QUANTITY REVENUE ((13) * (15) }	(13) TOTAL REVENUE [(7)+(10)]
SUBTOTALS B				(\$)	(9)	(4)-(5)	====			(8) - (9)			
RESIDENTIAL SECTOR	00370		LAUU										
FIXED CHARGES	78,291		2,484,121										2,484,12
COMMODITY CHARGES Read/Billed Read/Billed	In CCF			1,480,182 104,507 1,584,689	1,178,585 79,889 1,258,453	301,618 24,618 326,236		1,978,853 125,456	1,575,621 95,649	403,232 29,807		3,800,460 308,873 4,109,332	3,800,46 308,87 6,593,45
AS PER BOOKS	77,991		· · · · · · · · · · · · · · · · · · ·	1,633,868	1,633,868	320,230		•				4,108,002	6,629,64
,	300			(49,179)	(375,415)							(36,19 -0.55
	0.389	6	· ··	-3.10%	-29.83%	·						······	-0.55
COMMERCIAL BILLED FIXED CHARGES COMMODITY CHARGE	17,686 S	3	959,610										959,61
Read/Billed Read/Billed TOTAL	in CCF			743,923 50,477 794,400	743,923 50,477 794,400	0 0 0		994,549 60,936	994,549 60,936	0 0		2,715,980 225,114 2,941,094	2,715,98 225,11 3,900,70
APARTMENTS BILLED FIXED CHARGES COMMODITY CHARGE	9,717	,	1,020,804	·	·								1,020,80
Read/Billed Read/Billed Road/Billed TOTAL	in CCF			1,068,185 30,018 1,098,203	1,068,185 30,018 1,098,203	0		1,428,055 35,626	1,428,055 35,628	0 0		3,904,259 129,621 4,033,880	3,904,25 129,62 5,054,68
JACKSONVILLE U. FIXED CHARGES COMMODITY CHARGE	5 12	2	3,530		1,000,200	Ū						4,033,000	3,53
Read/Billed Read/Billed TOTAL	in CCF			0 18,169 18,169	0 18,169 18,169	0		0 21,206	0 21,206	0 0		0 84,102 84,102	84,10 87.63
COMMERCIAL SECTOR FIXED CHARGES COMMODITY CHARGE	27,41	5	1,983,944	10,100	10,100	· · · ·						64,102	1,983,94
Read/Billed Read/Billed TOTAL	in CCF			1,812,108 98,665 1,910,773	1,812,108 98,665 1,910,773	0		2,422,604 117,768	2,422,604 117,768	0 0		6,620,239 438,837	6,620,23 438,83
AS PER BOOKS	27,320 87 0.32	7		1,947,248 (36,475) -1.91%		¥						7,059,076	9,043,02 8,756,03 286,98 3,17
PUBLIC SECTOR										, <u></u>		·····	
FIXED CHARGES COMMODITY CHARGE Read/Billed		ס	77,933	80.070		_							77,93
Read/Billed TOTAL AS PER BOOKS	in KG		<u> </u>	80,079 80 80,159	80,079 80 80,159	0		107,057 93	107,057 93	0 0		292,341 331 292,673	292,34 33 370,60
	503 31 6.859	7		93,842 (13,683) 									406,09 (35,48 -9.58
TOTAL													
FIXED CHARGES COMMODITY CHARGE Read/Billed	in CCF	3	4,545,998	3,372,368	3,070,751	301,618		4,508,514	4,105,282	403,232		10,713,041	4,545,99
Read/Billed TOTAL	in KG			203,252 3,575,620	178,634 3,249,385	24,618		243,317	213,510	29,807		748,041	748,04
AS PER BOOKS	105,90 33 0.32	7		3,674,958 (99,338) -2,78%		320,230						11,461,081	<u>16,007,07</u> 15,791,76 215,31

WASTEWATER BILL ANALYSIS ADJUSTED TO PRODUCE BOOK REVENUE FOR 1-12/97 PRICED AT RATES EFFECTIVE DURING THE YEAR

	(1) BILLS RENDERED	(2) FIXED CHARGE	(3) FIXED REVENUE	(4) TOTAL CONSUMPTION IN KG [(12) * 0.748]	(5) BILLED CONSUMPTION IN KG	(6) UNBILLED CONSUMPTION IN KG	(7) BILLING UNITS AS READ	(8) ADJUSTMENTS TO BILL ANALYSIS	(9) TOTAL CONSUMPTION AS READ IBil analysis1	(10) BILLED CONSUMPTION AS READ (Bill analysis)	(11) UNBILLED CONSUMPTION AS READ [(12)-(13)]	(12) QUANTITY RATE AS BILLED (UWFL tariff)	(13) QUANTITY REVENUE [(13) * (15)]	(14) TOTAL REVENUE [(7) + (16)]
SUBTOTALS B						u============								
RESIDENTIAL SECTOR														
FIXED CHARGES	78,291		2,484,121											2,484,121
COMMODITY CHARGI Read/Billed				1,491,133	1,189,515	301,618		14,640	1,993,493	1,590,261	403,232		3,835,908	3,835,908
Read/Billed	l in KG			104,507	79,889	24,618		0	125,456	95,649	29,807		308,873 4,144,780	308,873 6,628,902
AS PER BOOKS	77,991			1,595,640	1,269,404	326,236			·· · · ·	····			4,144,760	6,629,644
	300			(38,228)	(364,464)									(74
	0.38%	b		-2.40%	-28.71%	· · · · · · · · · · · · · · · · · · ·			·····					-0.019
COMMERCIAL BILLED														
FIXED CHARGES COMMODITY CHARG	17,686	l	959,610											959,61
Read/Bille				665,869	665,869	C	1	(104,350) 890,199	890,199	0	1	2,428,830	2,428,83
Read/Bille	d in KG			50,477	50,477	0		0	60,936	60,936	0)	225,114	225,11
TOTAL APARTMENTS BILLED				716,346	716,346	C							2,653,944	3,613,55
FIXED CHARGES	9,717	,	1,020,804											1,020,80
COMMODITY CHARG Read/Bille				1,068,185	1,068,185	c)	a	1,428,055	1,428,055	; c)	3,904,259	3,904,25
Read/Bille				30,018	30,018	()	Č					129,621	129,62
TOTAL JACKSONVILLE U.				1,098,203	1,098,203	()						4,033,880	5,054,68
FIXED CHARGES	12	2	3,530											3,53
COMMODITY CHARG					_									•
Read/Bille Read/Bille				0 18,169				((0 84,102	84,10
TOTAL				18,169						21,200	,	,	84,102	87,63
COMMERCIAL SECTOR		_												
FIXED CHARGES COMMODITY CHARG	27,419 SES	•	1,983,944											1,983,9
Read/Bille	d in CCF			1,734,054	1,734,054	l (כ	(104,350) 2,318,254	2,318,254	1 (3	6,333,089	6,333.0
Read/Bille TOTAL	ed in KG			98,665			נ						438,837	438,83
AS PER BOOKS	27,32	3		<u>1,832,719</u> 1,947,248)		···				6,771,926	8,755,87 8,756,03
	8			(114,529)									0,730,0. (10
	0.32	%	······	-6.25%	<u> </u>									-0.0
PUBLIC SECTOR														
FIXED CHARGES	54	0	77,933	1										77,93
COMMODITY CHARC Read/Bille				89,743	89,743		n	12,920	0 119,977	119.97	, (n	327,771	
Read/Bille				80	80	1 1	5	12,520					327,771	327,7 3
AS PER BOOKS	50	3		<u> </u>		l I	D						328,103	406,0
	. 3			(4,019										406,Ö
	6.85	%		-4.479										-0.0
TOTAL														
FIXED CHARGES COMMODITY CHARG	106,24	8	4,545,998	3										4,545,99
Read/Bille	ed in CCF			3,314,930	3,013,312	301,61	8	(76,79	0) 4,431,724	4,028,49;	2 403,232	,	10,496,769	10 400 7
Read/Bille	ed in KG			203,252	178,634	24,61	8	(10,13					748,041	10,496,76 748,04
AS PER BOOKS	105,90	0		<u>3,518,182</u> 3,674,958		326,23	6						11,244,809	15,790,8
	33			3,674,956 (156,776										15,791,7
	0 32			4.465										(96

2

-4.46% -0.01%

0.32%

WASTEWATER BILL ANALYSIS ADJUSTED TO PRODUCE BOOK REVENUE FOR 1-12/97 PRICED AT CURRENT RATES

FIXED SERVICE CHARGES

		TIAL	COMMER	CIAL	PUBLI	C	APARTME	ENTS	JACKSONV	LLE U.	ΤΟΤΑ	<u>L</u>
RESIDENTIAL			BILLING		BILLING		BILLING		BILLING		BILLING	
		REVENUE		REVENUE	DETERMINANTS	REVENUE	DETERMINANTS	REVENUE	DETERMINANTS	REVENUE	DETERMINANTS	REVENUE
											71,980	2,448,040
											5,078	172,703
		-									1,058	35,983
											32	1,088
		•									143	15,534
\$100.03				······							78,291	2,673,348
OENEDAL	10,231	2,010,040										
			BILLING		BILLING		BILLING		BILLING		BILLING	
RATE			DETERMINANTS	REVENUE		REVENUE		REVENUE		REVENUE	DETERMINANTS	REVENUE
\$12.92			7,771	100,401	180	2,326	575	7,429			8,526	110,156
\$18.69	I.		1,583	29,586	0	0	108	2,019			1,691	31,605
\$33.16	;		2,869	95,136	36	1,194	1,591	52,758			4,496	149,087
						-	-	-				
•						-		-			-	711,481
						-	•		12	3.582		282,409
						•						244,062
								•				186,256
								•				2,530
									12	3 582		
			17,686	1,014,939	540	77,344	9,717	1,087,959	12	3,582	27	,955
	RESIDENTIAL RATE \$34.01 \$34.01 \$34.01 \$108.63 GENERAL SERVICE RATE \$12.92 \$18.69 \$33.16 \$74.61 \$132.64 \$298.53 \$530.57 \$1,193.95	RESIDENTIAL BILLING RATE DETERMINANTS \$34.01 71,980 \$34.01 5,078 \$34.01 1,058 \$34.01 32 \$108.63 143 78,291 GENERAL SERVICE 1	RESIDENTIAL RESIDENTIAL BILLING RATE DETERMINANTS REVENUE \$34.01 71,980 2,448,040 \$34.01 5,078 172,703 \$34.01 1,058 35,983 \$34.01 32 1,088 \$108.63 143 15,534 78,291 2,673,348 GENERAL SERVICE RATE \$12.92 \$18.69 \$33.16 \$74.61 \$132.64 \$298.53 \$530.57 \$1,193.95	RESIDENTIAL COMMER RESIDENTIAL BILLING BILLING RATE DETERMINANTS REVENUE DETERMINANTS \$34.01 71,980 2,448,040 DETERMINANTS \$34.01 5,078 172,703 S34.01 1,058 35,983 \$34.01 1,058 35,983 S34.01 32 1,088 \$108.63 143 15,534 78,291 2,673,348 GENERAL SERVICE BILLING BILLING \$12.92 7,771 \$18,69 1,583 \$33.16 2,869 \$74.61 2,074 \$132.64 2,628 \$299.53 466 \$530.57 192 \$1,193.95 36 \$37.76 67 67	RESIDENTIAL COMMERCIAL RESIDENTIAL BILLING BILLING RATE DETERMINANTS REVENUE DETERMINANTS REVENUE \$34.01 71,960 2,448,040 DETERMINANTS REVENUE DETERMINANTS REVENUE \$34.01 5,078 172,703 172,714 172,714 172,714 172,714 100,401 153,126 2,869 95,138	RESIDENTIAL COMMERCIAL PUBLI RATE DETERMINANTS REVENUE DETERMINANTS REVENUE DETERMINANTS \$34.01 71,980 2,448,040 REVENUE DETERMINANTS REVENUE DETERMINANTS \$34.01 71,980 2,448,040 REVENUE DETERMINANTS REVENUE DETERMINANTS \$34.01 5,078 172,703 \$34.01 1,058 35,983 \$34.01 1,058 35,983 \$34.01 32 1,088 \$508.3 \$50	RESIDENTIAL COMMERCIAL PUBLIC RESIDENTIAL BILLING BILLING BILLING BILLING RATE DETERMINANTS REVENUE DETERMINANTS REVENUE DETERMINANTS REVENUE \$34.01 71,980 2,448,040 DETERMINANTS REVENUE DETERMINA	RESIDENTIAL COMMERCIAL PUBLIC APARTME RATE DETERMINANTS REVENUE DETERM	RESIDENTIAL COMMERCIAL PUBLIC APARTMENTS RATE BILLING BILLING BILLING BILLING BILLING S34.01 71,960 2,448,040 ETERMINANTS REVENUE DETERMINANTS REVENUE DETER	RESIDENTIAL COMMERCIAL PUBLIC APARTMENTS JACKSONVI RESIDENTIAL BILLING DETERMINANTS REVENUE BILLING BILLING	RESIDENTIAL COMMERCIAL PUBLIC APARTMENTS JACKSONVILLE U. RESIDENTIAL BILLING DETERMINANTS REVENUE DETERMINANTS REVENUE DETERMINANTS REVENUE	RESIDENTIAL COMMERCIAL PUBLIC APARTMENTS JACKSONVILLE U. IOTAL RESIDENTIAL BILLING DETERMINANTS REVENUE DETERMINANTS T1,980 5,078 1,058 \$34.01 1,058 35,983

COMMODITY CHARGES

BILLING	RATE PER												
UNITS	UNIT	RESIDEN	TIAL	COMMER	CIAL	PUBLIC	2	APARTME	INTS	JACKSONVI	LE U.	TOTA	L
Billed in KG up	\$3.34	95,649	319,468									95,649	319,468
to 27,000 G													
Billed in CCF up	\$2.50	1,590,261	3,975,653									1,590,261	3,975,653
to 3,600 CF													
Billed in KG	\$0.00	29,807	0									29,807	0
over 27,000 G													
Billed in CCF	\$0.00	403,232	0									403,232	0
over 3,600 CF												•••	
Billed in KG	\$4.01			60,936	244,353							60,936	244,353
Billed in CCF	\$3.00			890,199	2,670,597							890,199	2,670,597
Billed in KG	\$4.01					93	373					93	373
Billed in CCF	\$3.00					119,977	359,931					119,977	359,931
Billed in KG	\$4.01							35,626	142,860			35,626	142,860
Billed in CCF	\$3.00							1,428,055	4,284,165			1,428,055	4,284,165
Billed in KG	\$4.13							. ,		21,206	87,581	21,206	87,581
TOTAL		2,118,949	4,295,120	951,135	2,914,950	120,070	360,304	1,463,681	4,427,025	21,206	87,581	4,675,041	12,084,980
GRAND TOTAL			6,968,468		3,929,890		437,648		5,514,985	-	91,163		16,942,153
CONSUMPTION IN									0,01,000		01,100		10,042,100
	CONSUMPTION	1,285,164		726,805		89,836		1,103,811		21,206		3,226,822	
	CONSUMPTION	331,425 1,616,589		0 726,805		0 89.836		0 1,103,811		0		331,425	
AVERAGES PER BI			· · ·	720,005		03,030		1,103,611		21,206		3,558,247	
	Fixed Charges		34.15		57.39		143 23		111 96		298.53		78.12
	Commodity Charges		54.86		164.82		667.23		455 60		7,298.40		432.30
	Total Average Bill		89.01		222.20		810.46		567.56		7,596.93		606.05

NORMALIZED WASTEWATER BILL ANALYSIS FOR HISTORICAL TEST YEAR 1-12/97 PRICED AT CURRENT RATES

FIXED SERVICE CHARGES

		RESIDEN	TIAL	COMMER	CIAL	PUBL	C	APARTME	NTS	JACKSONV	LLE U.	ΤΟΤΑ	
METER	RESIDENTIAL	BILLING		BILLING		BILLING		BILLING		BILLING		BILLING	
	RATE	DETERMINANTS	REVENUE		REVENUE	DETERMINANTS	REVENUE	DETERMINANTS	REVENUE	DETERMINANTS	REVENUE	DETERMINANTS	REVENUE
SIZE		71,980	2,448,040	DETERMINATIO								71,980	2,448,040
5/8"	\$34.01	5,078	172,703									5,078	172,703
3/4"	\$34.01	-	35,983									1,058	35,983
1"	\$34.01	1,058	-									32	1,088
1 1/2"	\$34.01	32	1,088									143	15,534
Unmetered	\$108.63		15,534									78,291	2,673,348
TOTAL		78,291	2,673,348									10,231	2,010,040
	GENERAL			BILLING		BILLING		BILLING		BILLING		BILLING	
METER SIZE	SERVICE RATE			DETERMINANTS	REVENUE		REVENUE	DETERMINANTS	REVENUE	DETERMINANTS	REVENUE	DETERMINANTS	REVENUE
5/8"	\$12.92			7,771	100,401	180	2,326	575	7,429			8,526	110,158
3/4"	\$18.69			1,583	29,586	0	0	108				1,691	31,605
1"	\$33.16			2,869	95,136	36	1,194		52,758			4,496	149,087
1 1/2"	\$74.61			2,074	154,741	24	1,791		309,706			6,249	466,238
2"	\$132.64			2,628	348,578		20,692					5,364	711,481
2 3"				466					-	40		-	-
3" 4"	\$298.53				139,115		32,241			12	3,582		282,409
-	\$530.57			192	101,869		19,101		-			460	244,062
6"	\$1,193.95			36	42,982		0					156	186,256
Unmetered	\$37.76	3		67	2,530		0	0			_·	67	2,530
TOTAL				17,688	1,014,939	540	77,344	9,717	1,087,959	12	3,582	27,955	2,183,825

COMMODITY CHARGES

BILLING	RATE PER						• • •						
UNITS	UNIT	RESIDEN	TIAL	COMMER	CIAL	PUBLIC		APARTME	NTS	JACKSONVIL	.LE U.	ΤΟΤΑ	L
Billed in KG up	\$3.34	100,343	335,146									100,343	335,146
to 27,000 G													
Billed in CCF up	\$2.50	1,640,481	4,101,201									1,640,481	4,101,201
to 3,600 CF													
Billed in KG	\$0.00	29,807	0									29,807	0
over 27,000 G													
Billed in CCF	\$0.00	403,232	0									403,232	0
over 3,600 CF													
Billed in KG	\$4.01			64,772	259,737							64,772	259,737
Billed in CCF	\$3.00			939,537	2,818,611							939,537	2,818,611
Billed in KG	\$4.01					91	366					91	366
Billed in CCF	\$3.00					116,274	348,822					116,274	348,822
Billed in KG	\$4.01							35,626	142,860			35,626	142,860
Billed in CCF	\$3.00							1,428,055	4,284,165			1,428,055	4,284,165
Billed in KG	\$4.13									21,206	87,581	21,206	87,581
TOTAL		2,173,863	4,436,347	1,004,309	3,078,347	116,365	349,188	1,463,681	4,427,025	21,206	87,581	4,779,424	12,378,488
GRAND TOTAL			7,109,695		4,093,287		426,531		5,514,985	-	91,163		17,235,660
	KG BY CATEGORY						-						
	D CONSUMPTION	1,327,422 331,425		767,546		87,064		1,103,811		21,206		3,307,050	
	D CONSUMPTION	1,658,847		767,546		0 87,064		1,103,811		0 21,206		331,425 3,638,474	
AVERAGES PER B							2	1,100,011				0,000,414	
	Fixed Charges		34.15		57.39		143.23		111.96		298.53		78.12
	Commodity Charges		56.66		174.06		646 64		455 60		7,298.40		442.80
	Total Average Bill		90.81		231.44		789.87		567.56		7,596.93		616.55



WASTEWATER BILL ANALYSIS FOR PROJECTED 1-12/99 RATE YEAR PRICED AT CURRENT RATES

FIXED SERVICE CHARGES

		RESIDENTIAL		COMMER	CIAL	PUBLIC		APARTMENTS		JACKSONVILLE U.		ΤΟΤΑ	<u>L</u>
METER	RESIDENTIAL	BILLING		BILLING		BILLING		BILLING		BILLING		BILLING	
SIZE	RATE	DETERMINANTS	REVENUE	DETERMINANTS	REVENUE	DETERMINANTS	REVENUE	DETERMINANTS	REVENUE	DETERMINANTS	REVENUE	DETERMINANTS	REVENUE
5/8"	\$34.01	76,733	2,609,689									76,733	2,609,689
3/4"	\$34.01	5,414	184,130									5,414	184,130
1"	\$34.01	1,128	38,363									1,128	38,363
1 1/2"	\$34.01	34	1,156									34	1,156
Unmetered	\$108.63	143	15,534									143	15,534
TOTAL		83,452	2,848,873									83,452	2,848,873
	GENERAL												
METER	SERVICE			BILLING		BILLING		BILLING		BILLING		BILLING	
SIZE	RATE			DETERMINANTS	REVENUE	DETERMINANTS	REVENUE	DETERMINANTS	REVENUE	DETERMINANTS	REVENUE	DETERMINANTS	REVENUE
5/8"	\$12.92			8,231	106,345	203	2,623	610	7,881			9,044	116,848
3/4"	\$18.69			1,678	31,362	0	0	115	2,149			1,793	33,511
1"	\$33.16			3,039	100,773	41	1,360	1,686	55,908			4,766	158,041
1 1/2"	\$74.61			2,197	163,918	27	2,014	4,396	327,986			6,620	493,918
2"	\$132.64			2,783	369,137	176	23,345	2,733	362,505			5,692	754,987
3"	\$298.53			494	147,474	122	36,421	382	114,038	12	3,582	1,010	301,515
4"	\$530.57			204	108,236		21,753	245	129,990			490	259,979
6"	\$1,193.95			38			0	127	151,632			165	197,002
Unmetered	\$37.76			67	2,530		0	0	0			67	2,530
TOTAL				18,731	1,075,145	610	87,515	10,294	1,152,089	12	3,582	29,647	2,318,332

COMMODITY CHARGES

BILLING	RATE PER												
UNITS	UNIT	RESIDEN	TIAL	COMMER	CIAL	PUBLIC	;	APARTME	INTS	JACKSONVI	LLE U.	ΤΟΤΑ	L
3ilied in KG up to 27,000 G	\$3.34	112,292	375,054			· · · · · · · · · ·					<u> </u>	112,292	375,054
Billed in CCF up to 3,600 CF	\$2.50	1,833,488	4,583,719									1,833,488	4,583,719
Billed in KG over 27,000 G	\$0.00	29,807	0									29,807	0
Billed in CCF over 3,600 CF	\$0.00	403,232	0									403,232	0
Billed in KG Billed in CCF	\$4.01 \$3.00			72,333 1,049,209	290,056 3,147,627							72,333 1,049,209	290,056 3,147,627
Billed in KG Billed in CCF	\$4.01 \$3.00					96 122,217	385 366,651					96 122,217	385 366,651
Billed in KG Billed in CCF	\$4.01 \$3.00					122,211	500,051	37,187 1,490,618	149,119 4,471,855			37,187	149,119
Billed in KG	\$4.13		-					1,490,018	4,471,000	22,500	92,925	1,490,618 22,500	4,471,855 92,925
TOTAL			4,958,773		3,437,683		367,036	<u> </u>	4,620,974		92,925	5,172,979	13,477,391
GRAND TOTAL			7,807,646		4,512,828		454,552		5,773,063		96,507		18,644,596
	KO BY CATEGORY	4 400 7 40		057 4 44		04 54 4							
	D CONSUMPTION D CONSUMPTION	1,483,740 331,425		857,141		91,514		1,152,169		22,500		3,607,065 331,425	
	CONSUMPTION	1,815,165		857,141		91,514		1,152,169		22,500		3,938,490	
AVERAGES PER B													
	Fixed Charges		34.14		57.40		143.47		111.92		298.53		78.20
	Commodity Charges Total Average Bill		59.42 93.56		183 53 240.93		601.70 745.17		448.90 560.82		7,743.75 8,042.28		454.60 628.89
	TOTAL MACING DI		33.30		240.33		143.17		500.62		0,042.20		020.09

FPSC WASTEWATER BILL ANALYSIS FOR PROJECTED 1-12/99 RATE YEAR PRICED AT CURRENT RATES

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IXED SERVICE CHARGES

		RESIDEN	TIAL	COMMER	CIAL	PUBL	IC	APARTME	ENTS	JACKSON\	<u>/ILLE U.</u>	ΤΟΤΑ	L
METER	RESIDENTIAL	BILLING		BILLING		BILLING		BILLING		BILLING		BILLING	
SIZE	RATE	DETERMINANTS	REVENUE	DETERMINANTS	REVENUE	DETERMINANTS	REVENUE	DETERMINANTS	REVENUE	DETERMINANTS	REVENUE	DETERMINANTS	REVENUE
5/8"	\$34.01	77,098	2,622,103									77,098	2,622,103
3/4"	\$34.01	5,440	185,014									5,440	185,014
1"	\$34.01	1,133	38,533									1,133	38,533
1 1/2"	\$34.01	34	1,156									34	1,156
Unmetered	\$108.63	143	15,534									143	15,534
TOTAL		83,848	2,862,341									83,848	2,862,341
	GENERAL												
METER	SERVICE			BILLING		BILLING		BILLING		BILLING		BILLING	
SIZE	RATE			DETERMINANTS	REVENUE	DETERMINANTS	REVENUE	DETERMINANTS	REVENUE	DETERMINANTS	REVENUE	DETERMINANTS	REVENUE
5/8"	\$12.92			8,144	105,220	291	3,760	601	7,765			9,036	116,745
3/4"	\$18.69			1,660	31,025	0	0	114	2,131			1,774	33,156
1"	\$33.16			3,007	99,712	59	1,956	1,662	55,112			4,728	156,780
1 1/2"	\$74.61			2,174	162,202	38	2,835	4,334	323,360			6,546	488,397
2"	\$132.64			2,754	365,291	254	33,691	2,695	357,465			5,703	756,446
3"	\$298.53			489	145,981	175	52,243	378	112,844	12	3,582	1,054	314,651
4"	\$530.57			203	107,706	59	31,304	242	128,398		-	504	267,407
6"	\$1,193.95			38	45,370	0	. 0	126	150,438			164	195,808
Unmetered	\$37.76			67	2,530	0	0	0	0			67	2,530
TOTAL				18,536	1,065,038	876	125,788	10,152	1,137,512	12	3,582	29,576	2,331,920

COMMODITY CHARGES

BILLING	RATE PER												
UNITS	UNIT	RESIDEN	ITIAL	COMMER	CIAL	PUBLIC	;	APARTME	INTS	JACKSONVI	LLE U.	τοτα	L
Billed in KG up to 27,000 G	\$3.34	1,918,561	6,407,994					<u></u>				1,918,561	6,407,994
Billed in CCF up	\$2.50	0	0									0	0
to 3,600 CF Billed in KG over 27,000 G	\$0.00	0	0									0	0
Billed in CCF over 3,600 CF	\$0.00	. 0	0									0	0
Billed in KG Billed in CCF	\$4.01 \$3.00			1,001,528	4,016,126							1,001,528	4,016,126
Billed in KG Billed in CCF	\$4.01					139,011	557,434					0 139,011	0 557,434
Billed in KG	\$3.00 \$4.01							1,349,476	5,411,400			0 1,349,476	0 5,411,400
Billed in CCF Billed in KG	\$3.00 \$4.13									22,500	92,925	0 22,500	0 92,925
TOTAL		1,918,561	6,407,994	1,001,528	4,016,126	139,011	557,434	1,349,476	5,411,400	22,500	92,925	4,431,076	16,485,879
GRAND TOTAL	<u> </u>		9,270,335		5,081,164		683,222		6,548,912		96,507	-	21,680,140
	KG BY CATEGORY CONSUMPTION	1,918,561	•	1 004 529		400.044							
UNBILLED	CONSUMPTION	0		1,001,528 0		139,011 0		1,349,476 0		22,500 0		4,431,076 0	
TOTAL BILLED	CONSUMPTION	1,918,561		1,001,528		139,011		1,349,476		22,500		4,431,076	
	Fixed Charges Commodity Charges		34.14 76.42		57.46 216.67		143.59 636.34		112.05 533.04		298.53 7,743.75		78.85 557.41
	Total Average Bill		110.56		274.12		779.93		645.09		8,042.28		733.03

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