

**Columbia County / Ellisville Water System
Proposed Water Rates**

Revised:

March 10, 2010

Type of Charge	Units	Proposed Rate
Customer Charge		
Customer Charge	\$ / month	\$ 10.50
Water Availability Charge		
5/8" x 3/4"	\$ / month	\$ 1.00
1"	\$ / month	\$ 2.56
1-1/2"	\$ / month	\$ 5.76
2"	\$ / month	\$ 10.24
3"	\$ / month	\$ 23.04
4"	\$ / month	\$ 40.96
6"	\$ / month	\$ 92.16
8"	\$ / month	\$ 163.84
10"	\$ / month	\$ 256.00
Water Consumption Charge(s)		
<i>Residential</i>		
Tier 1 (0 - 4,000 gallons)	\$ /1,000 gallon	\$ 2.20
Tier 2 (4,001 - 8,000 gallons)	\$ /1,000 gallon	\$ 2.86
Tier 3 (8,001 gallons and above)	\$ /1,000 gallon	\$ 4.29
<i>Non-Residential (Commercial, Industrial, & Fire Line Service)</i>		
Tier 1 (all consumption)	\$ /1,000 gallon	\$ 2.86
<i>Irrigation Service</i>		
Tier 1 (all consumption)	\$ /1,000 gallon	\$ 4.29

Assumptions & Notes:

Customer Charge is calculated to offset transfer to Internal Service Fund to capture cost of meter reading and billing services.

Availability Charge is developed for additional expenses incurred ensuring that water is available at the meter. Charge varies proportional to the flow rate (gallons per minute) available for each size meter. Currently, the City does not utilize this charge, but instead determines the monthly minimum charge based upon meter size.

Consumption Charges:

Residential Tier 1 (0 - 4,000 gallons per month) targets ensuring that all residential customers have access to lowest cost water to meet basic needs.

Residential Tier 2 (4,001 - 8,000 gallons per month) targets water demands that are above those considered to be basic essential water demands.

Residential Tier 2 is calculated at 30% more than Tier 1

Residential Tier 3 (8,001 and above gallons per month) targets water demands that are considered to be discretionary.

Residential Tier 3 is calculated at 50% more than Tier 2

Non-Residential Service Tier 1 equals Residential Tier 2

Irrigation Tier 1 is considered discretionary and equals Residential Tier 3.

Water System Expenses Forecast

Budget Category	Year 1	Year 2	Year 3	Year 4	Year 5	Comments
	Budgeted	Budgeted	Budgeted	Budgeted	Budgeted	
Personal Services	\$ 29,751	\$ 31,239	\$ 32,801	\$ 34,441	\$ 36,163	5% annual increase
Operating Expenses	\$ 43,674	\$ 45,858	\$ 48,151	\$ 50,558	\$ 53,086	5% annual increase
Capital Outlay	\$ 67,900	\$ 20,000	\$ 20,000	\$ 20,000	\$ 20,000	Yr 1, 94 taps, 5 annually after
Debt Service	\$ 86,140	\$ 86,140	\$ 86,140	\$ 86,140	\$ 86,140	FDEP SFR loan
Transfer Internal Service Fund	\$	\$	\$	\$	\$	Meter reading, billing, admin costs
Overhead Allocation & Transfer General Fund	\$	\$	\$	\$	\$	
Contingency	\$ 10,000	\$ 10,000	\$ 10,000	\$ 10,000	\$ 10,000	
Total Expenses	\$ 237,465	\$ 193,236	\$ 197,091	\$ 201,139	\$ 205,389	Flat rate
Percent Change	-	-18.6%	2.0%	2.1%	2.1%	

Water Customer Projections

Revised:

March 12, 2010

RESIDENTIAL CONSUMPTION

Residential Water Use: _____ 275 gpd per ERU

Class	Meter Size	Number of Customers	Annual Water Consumption
Residential	75	72	7,227,000
	100	.	.
	150	.	.
	200	.	.
		72	7,227,000

NON-RESIDENTIAL CONSUMPTION

Wastewater / Water Ratio: 90%

Customer	Meter Size	Wastewater ADF (gpd)	Annual Water Consumption	Type of Use
SW4 - Buggy Bag Inc	75	800	324,444	Retail / Flea Market
SW3- Webbs Mall	75	2,000	811,111	Retail / Flea Market
SW2 - Armando Alonso	75	1,200	486,667	Retail
SE2 - Amparo	75	500	202,778	Service Station
SE1 -Amparo	75	1,000	405,556	Service Station
NE6 - Dollar General	75	400	162,222	Retail
SE3 - Ellisville Investments	75	1,250	506,944	Retail
Unknown Commercial 1	75	800	324,444	Retail
Unknown Commercial 2	75	1,000	405,556	Retail
SW7 - Kinjac Corp	100	2,000	811,111	Convenience Store
NE2 - Jim Hinton Oil Co.	100	1,200	486,667	Convenience Store
NE3 - Ganeshai Food Mart	100	1,200	486,667	Convenience Store
NE4 - Mrudula Patel	100	1,200	486,667	Convenience Store
NW1 - GW Hunter	100	1,200	486,667	Convenience Store
SW6 - S&S Convenience Store	100	3,245	1,316,028	Convenience Store
Unknown Commercial 3	100	2,500	1,013,889	Convenience Store
SW1 - Huddle House Inc	150	2,000	811,111	Restaurant
SW6 - Cecil Shaw	200	1,800	730,000	RV Park
SW9 - Patel, Rash	200	1,000	405,556	Hotel
NE1 - Ramadev	200	2,500	1,013,889	Hotel
NE5 - Mrudula Patel	200	2,000	811,111	Hotel
SE4 - NKRM Inc, Sahara Inn	200	2,000	811,111	Hotel

Total Wastewater Flow (gpd): 32,795 13,300,195

Total Water Flow (gpd): 36,439

Water Meter Count

Count 75 water meters:	9
Count 100 water meters:	7
Count 150 water meters:	1
Count 200 water meters:	5
Count 300 water meters:	0

22

Total Projected ADF:

56,239

Water System Revenues Forecast - Year 1 Operations

March 10, 2010

Rate Class / Category	Billin » Units Calculated	Billing Units USiD	UOiM	Proposed Rates	
				Rate	Projected Revenues
Residential Revenues					
Customer Count	72	72	per mo	\$ 10.50	\$ 9,072
Water Availability Charge (5/8" x 3/4")	72	72	per mo	\$ 1.00	\$ 864
Water Availability Charge (1")	—	—	per mo	\$ 2.56	\$
Water Availability Charge (1-1/2")	—	—	per mo	\$ 5.76	\$
Water Availability Charge (2")	—	—	per mo	\$ 10.24	\$
Tier 1 Sales (< 4,000 gal)	1,301	1,301	kgal / yr	\$ 2.20	\$ 2,862
Tier 2 Sales (> 4,000 and < 8,000 gal)	3,758	3,758	kgal/ yr	\$ 2.86	\$ 10,748
Tier 3 Sales (> 8,000 gal)	2,168	2,168	kgal / yr	\$ 4.29	\$ 9,301
Commercial Revenues					
Customer Count	22	22	per mo	\$ 10.50	\$ 2,772
Water Availability Charge (5/8" x 3/4")	9	9	per mo	\$ 1.00	\$ 108
Water Availability Charge (1")	7	7	per mo	\$ 2.56	\$ 215
Water Availability Charge (1-1/2")	1	1	per mo	\$ 5.76	\$ 69
Water Availability Charge (2")	5	5	per mo	\$ 10.24	\$ 614
Water Availability Charge (3")	—	—	per mo	\$ 23.04	\$
Water Availability Charge (4")	—	—	per mo	\$ 40.96	\$
Water Availability Charge (6")	—	—	per mo	\$ 92.16	\$
Water Availability Charge (8")	—	—	per mo	\$ 163.84	\$
Sales	13,300	13,300	kgal / yr	\$ 2.86	\$ 38,039
Irrigation Revenues					
Customer Count	—	—	per mo	\$ 10.50	\$
Water Availability Charge (5/8" x 3/4")	—	—	per mo	\$ 1.00	\$
Water Availability Charge (1")	—	—	per mo	\$ 2.56	\$
Water Availability Charge (1-1/2")	—	—	per mo	\$ 5.76	\$
Water Availability Charge (2")	—	—	per mo	\$ 10.24	\$
Sales	—	—	kgal / mo	\$ 4.29	\$
Other Revenues					
Capital Facility Charges - Treatment Facility	150	150	per yr	\$ 1,500.00	\$ 225,000
Capital Facility Charges - Distribution System	150	150	per yr	\$ 450.00	\$ 67,500
Miscellaneous Service Fees	1	1	ls	\$ 500.00	\$ 500
		—			\$
		—			\$
Total Water Sales Revenues					\$ 367,664
Revenue Requirements (from RevRequirements worksheet)					\$ 237,465
Surplus / Deficit					\$ 130,199

Water System Revenues Forecast - Year 2 Operations March 10, 2010

Rate (class / Category)	Billing Units Calculated	Billing Units USED	LOiM	Proposed Rates	
				Rate	projected Revenues
Residential Revenues					
Customer Count	75	75	per mo	\$ 10.50	\$ 9,450
Water Availability Charge (5/8" x 3/4")	75	75	per mo	\$ 1.00	\$ 900
Water Availability Charge (1")	—	—	per mo	\$ 2.56	\$
Water Availability Charge (1-1/2")	—	—	per mo	\$ 5.76	\$
Water Availability Charge (2")	—	—	per mo	\$ 10.24	\$
Tier 1 Sales (< 5,000 gal)	1,301	1,340	kgal / yr	\$ 2.20	\$ 2,948
Tier 2 Sales (> 5,000 and < 10,000 gal)	3,758	3,871	kgal / yr	\$ 2.86	\$ 11,070
Tier 3 Sales (> 10,000 gal)	2,168	2,233	kgal / yr	\$ 4.29	\$ 9,580
Commercial Revenues					
Customer Count	24	24	per mo	\$ 10.50	\$ 3,024
Water Availability Charge C5/8" x 3/4")	9	9	per mo	\$ 1.00	\$ 108
Water Availability Charge (1")	7	7	per mo	\$ 2.56	\$ 215
Water Availability Charge (1-1/2")	1	1	per mo	\$ 5.76	\$ 69
Water Availability Charge (2")	5	5	per mo	\$ 10.24	\$ 614
Water Availability Charge (3")	—	—	per mo	\$ 23.04	\$
Water Availability Charge (4")	—	—	per mo	\$ 40.96	\$
Water Availability Charge (6")	—	—	per mo	\$ 92.16	\$
Water Availability Charge (8")	—	—	per mo	\$ 163.84	\$
Sales	13,300	13,699	kgal / yr	\$ 2.86	\$ 39,180
Irrigation Revenues					
Customer Count	—	—	per mo	\$ 10.50	\$
Water Availability Charge (5/8" x 3/4")	—	—	per mo	\$ 1.00	\$
Water Availability Charge (1")	—	—	per mo	\$ 2.56	\$
Water Availability Charge (1-1/2")	—	—	per mo	\$ 5.76	\$
Water Availability Charge (2")	—	—	per mo	\$ 10.24	\$
Sales	—	—	kgal / yr	\$ 4.29	\$
Other Revenues					
Capital Facility Charges - Treatment Facility	5	5	per yr	\$ 1,500.00	\$ 7,500
Capital Facility Charges - Distribution System	5	5	per yr	\$ 450.00	\$ 2,250
Miscellaneous Service Fees	1	1	ls	\$ 500.00	\$ 500
		—			\$
		—			\$
Total Water Sales Revenues					87,409
Revenue Requirements (from RevRequirements worksheet)					193,236
Surplus / Deficit					\$ (105,828)

Water Rate Comparison for Communities in North Central Florida

March 10, 2010

Municipality	Columbia Co. - Proposed	Branford	Fort White	Lake Butler	White Springs	Peer Average
WTP Design Daily Flow Rate (gpd):	160,000	452,000	366,000	1,369,000	453,000	560,000
WTP Average Daily Flow Rate (gpd):	56,000	102,000	78,350	343,000	65,300	128,930
Residential Service						
Number of Residential Customers	72	278	220	660	343	315
Customer Charge	\$ 10.50	\$ 0.55	\$ 12.25	\$ 5.80	\$ 12.02	\$ 8.22
Consumption Charge(s)						
Tier 1	\$ 2.20	\$ 2.15	\$ 3.10	\$ 1.90	\$ 1.50	\$ 2.17
Tier 2	\$ 2.86		\$ 3.26			\$ 3.06
Tier 3	\$ 4.29		\$ 3.42			\$ 3.86
Tier 4			\$ 3.59			
Tier 5			\$ 3.70			
Total Monthly Charge (7,000 gallons)	\$ 28.88	\$ 15.60	\$ 34.75	\$ 19.10	\$ 22.52	\$ 24.17
Percent of Peer Average	119.5%	64.5%	143.8%	79.0%	93.2%	100.0%
Non-Residential (Commercial, Industrial, & Fire Pump Fire Line) Service						
Number of Commercial Customers	22	80	34	60	53	50
Customer Charge	\$ 10.50	\$ 0.55	\$ 36.75	\$ 7.25	\$ 26.60	\$ 16.33
Consumption Charge(s)						
Tier 1	\$ 2.86	\$ 2.15	\$ 3.10	\$ 2.38	\$ 2.00	\$ 2.50
Tier 2			\$ 3.26			\$ 3.26
Tier 3			\$ 3.42			\$ 3.42
Tier 4			\$ 3.59			
Tier 5			\$ 3.70			
Total Monthly Charge (20,000 gallons)	\$ 70.26	\$ 43.55	\$ 99.28	\$ 54.75	\$ 66.60	\$ 66.89
Percent of Peer Average	105.0%	65.1%	148.4%	81.9%	99.6%	100.0%

Customer Charge is calculated to offset transfer to Internal Service Fund to capture cost of meter reading, billing, and administrative services.

Availability Charge is developed for additional expenses incurred ensuring that water is available at the meter. Charge varies proportional to the flow rate (gallons per minute) available.

Consumption Charges:

Residential Tier 1 (0 - 4,000 gallons per month) targets ensuring that all residential customers have access to lowest cost water to meet basic needs.

Residential Tier 2 (4,001 - 8,000 gallons per month) targets water demands that are above those considered to be basic essential water demands.

Residential Tier 2 is 30% higher than Tier 1

Residential Tier 3 (8,001 and above gallons per month) targets water demands that are considered to be discretionary.

Residential Tier 3 is 50% higher than Tier 2

Commercial, Industrial, & Fire Line Service Tier 1 equals Residential Tier 2

Irrigation Tier 1 is considered discretionary and equals Residential Tier 3.