

State of Florida



Public Service Commission

CAPITAL CIRCLE OFFICE CENTER • 2540 SHUMARD OAK BOULEVARD
TALLAHASSEE, FLORIDA 32399-0850

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

DATE: May 3, 2018

TO: Carlotta S. Stauffer, Commission Clerk, Office of Commission Clerk

FROM: Marissa Friedrich, Public Utility Analyst I, Division of Economics *SH MF*

RE: Docket No. 20160220-WS – Application for original water and wastewater certificates in Sumter County, by South Sumter Utility Company, LLC.

Please add staff's attached workpapers (monthly rates and service availability charges) to the docket file referenced above.

RECEIVED-FPSC
2018 MAY -3 PM 4:07
COMMISSION
CLERK

NARUC USOA	Utility Plant in Service Organization	Beginning Balance	Depreciation Rate	Annual Depreciation
	Organization	\$42,655	2.50%	\$1,066
	Franchises	\$5,180,610	2.50%	\$129,515
	303 Land and Land Rights	\$0	0.00%	\$0
	304 Structures and Improvements	\$0	3.70%	\$0
	305 Collecting and Impounding	\$0	2.50%	\$0
	307 Wells and Springs	\$0	3.70%	\$0
	309 Supply Mains	\$0	3.13%	\$0
	310 Power Generation Equipment	\$0	5.88%	\$0
	311 Pumping Equipment	\$0	5.88%	\$0
	320 Water Treatment Equipment	\$0	5.88%	\$0
	330 Distribution Reservoirs & Stand	\$0	3.03%	\$0
	331 Transmission and Distribution Mains	\$13,308,515	2.63%	\$350,224
	Services	\$3,056,550	2.50%	\$76,414
	334 Meters and Meter Installations	\$0	5.88%	\$0
	335 Hydrants	\$679,233	2.50%	\$16,981
	340 Office Furniture and Equipment	\$0	6.67%	\$0
	341 Transportation Equipment	\$0	16.67%	\$0
	343 Tools, Shop and Garage Equip.	\$0	6.67%	\$0
	345 Power Operated Equipment	\$0	10.00%	\$0
	Total	\$22,267,563	2.58%	\$574,200

Meter Installation & Tap-in Charge	\$402
Plant Capacity	\$0
Main Extension	\$1,916
Total	\$2,318

Guideline Levels	
Minimum Level	73.49%
Maximum Level	75.00%

	Beginning	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Capacity (ERCs)	0	8542	8542	8542	8542	8542	750
Connections (ERCs)	0	1708	3416	5124	6832	8542	
Additional Connections (ERCs)		1708	1708	1708	1708	1710	
Utility Plant In Service	\$22,267,563	\$22,954,179	\$23,640,795	\$24,327,411	\$25,014,027	\$25,701,447	\$25,701,447
Accumulated Depreciation	\$0	\$583,053	\$1,183,811	\$1,802,275	\$2,438,444	\$3,092,329	\$3,755,076
Net Plant	\$22,267,563	\$22,371,126	\$22,456,984	\$22,525,136	\$22,575,583	\$22,609,118	\$21,946,371
Contributions in Aid of Construction	\$0	\$3,958,863	\$7,917,725	\$11,876,588	\$15,835,451	\$19,798,949	\$19,798,949
Accumulated Amortization of CIAC	\$0	\$51,042	\$204,170	\$459,382	\$816,679	\$1,276,120	\$1,786,664
Net CIAC	\$0	\$3,907,820	\$7,713,556	\$11,417,206	\$15,018,772	\$18,522,829	\$18,012,285
Contribution Level	0.00%	17.47%	34.35%	50.69%	66.53%	81.93%	82.07%

Naruc Account	Description Item	UPIS	Depreciation Rate	Annual Depreciation
352	Franchises	\$ 9,042,655	0.0250	\$226,066
353	Land and Land Rights	\$ -	0.0000	\$0
354	Structures and Improvements	\$ -	0.0125	\$0
360	Collection Sewers - Force	\$ 10,671,842	0.0333	\$355,372
361	Collection Sewers - Gravity	\$ 6,522,670	0.0222	\$144,803
363	Services to Customers	\$ 5,095,837	0.0263	\$134,021
370	Receiving Wells	\$ -	0.0333	\$0
371	Pumping Equipment	\$ 5,450,848	0.0555	\$302,522
380	Treatment	\$ -	0.0555	\$0
	Total	\$ 36,783,852	0.0316	\$1,162,785

Value of Lines/ ERCs (8542)
\$22,290,349
\$ 2,609.50

	Year 1	Year 2	Year 3	Year 4	Year 5
Capacity (ERCs)	8542	1800	1800	1800	1800
Additional Connections (ERCs)	1708	1708	1708	1708	1710
Total Connections	1708	3416	5124	6832	8542
Utility Plant In Service	\$36,783,852	\$36,783,852	\$36,783,852	\$36,783,852	\$36,783,852
Accumulated Depreciation	\$0	\$1,162,785	\$2,325,569	\$3,488,354	\$4,651,138
Contributions in Aid of Construction	\$0	\$5,225,626	\$10,451,252	\$15,676,878	\$20,908,623
Accumulated Amortization of CIAC	\$0	\$82,594	\$330,377	\$743,349	\$1,321,606
Contribution Level	0.00%	14.44%	29.37%	44.85%	60.96%
	Year 6	Year 7	Year 8	Year 9	Year 10
Capacity (ERCs)	1800	1800	1800	1800	1800
Additional Connections (ERCs)	200	100	100	100	100
Total Connections	8742	8842	8942	9042	9142
Utility Plant In Service	\$36,783,852	\$36,783,852	\$36,783,852	\$36,783,852	\$36,783,852
Accumulated Depreciation	\$5,813,923	\$6,976,707	\$8,139,492	\$9,302,276	\$10,465,061
Contributions in Aid of Construction	\$21,520,523	\$21,826,473	\$22,132,423	\$22,438,373	\$22,744,323
Accumulated Amortization of CIAC	\$1,992,226	\$2,677,353	\$3,372,152	\$4,076,622	\$4,790,763
Contribution Level	63.06%	64.24%	65.49%	66.81%	68.22%
Main Extension Charge	\$2,610				
Plant Capacity Charge	\$450				
Total	\$3,060				
Minimum CIAC	46.74%				
Maximum CIAC	75.00%				

South Sumter Utility Company, LLC
 STAFF CALCULATIONS
 Proof of Revenue
 Projected December 31, 2021

Line No		Rates for Revenue				Revenue Required		Miscellaneous Revenues	
		Requirement	Total Bills	ERC	Total Gallons	Annual Revenue	Annual Revenue		
1	Revenue Proof For Water								\$39,380.73
2	Requested Rates - Residential - Monthly								
3	Base Facility Charge	\$ 10.96	78,720	78,720		\$ 862,976.62	Total Water Revenue Req.	\$2,286,671.82	
4	Gallonaage Charge						Less Misc. Rev.	\$2,247,291.09	
5	First 3,000 gls	\$ 55.57			172,971	\$ 962,706.38			
6	Over 3,000 gls	\$ 6.96			32,947	\$ 229,215.81			
7	Total Residential Revenues					\$ 2,054,898.81			
8	Average Residential Bill					\$ 26.10			
9									
10	Requested Rates - General Service						BFC		
11	5/8" x 3/4"	\$ 10.96	749	749		\$ 8,208.80	TOAL ERCS=	81,998	
12	3/4"	16.44	326	490		5,367.29		10,962,609.46	
13	1"	27.41	182	456		4,998.95			
14	1-1/2" Turbine	54.81	96	480		5,262.05	Gallonaage Charge		
15	2" Turbine	87.70	96	768		8,419.28	gallonaage revenues	\$1,348,374.65	
16	3" Turbine	191.85	19	336		3,683.44	total gallons	232,947	
17	Charge per 1,000 gallons	\$ 5.75			27,029	\$ 155,416.64	GS Gallonaage Charge	\$5.79	
18	Total General Service Revenues					\$ 191,356.45	GS Gallons	27,029	
19	Average General Service Bill					\$ 130.28	GS Gallon Revenues	\$156,452.46	
20				3278		\$ 2,246,255.26	RS GALLONAAGE REV	\$1,191,922.19	
								41183.68	
								214,155	
21	TOTAL SERVICE REVENUES					\$2,247,291.09		\$5.57	
22	Revenues from Miscellaneous Charges	\$ 35.13	1,121			\$ 39,380.73			
23									
24	Total Water Revenue at 80% Design Capacity					\$2,286,671.82			
25									
26	Revenue Proof For Wastewater								
27	Requested Rates - Residential - Monthly								
28	Base Facility Charge	18.98	78,720	78,720		\$ 1,493,955.29	BFC		
29	Gallonaage Charge (maximum 10,000 gls)	\$6.53			205,918	\$ 1,344,647.15	TOTAL ERCS=	81,998.40	
30	Total Residential Revenues					\$ 2,838,602.45		18.98	
31	Average Residential Bill					\$ 36.06			
32									
33	Requested Rates - General Service						Gallonaage Charge		
34	5/8" x 3/4"	18.98	749	749		\$14,210.79	gallonaage revenues	\$1,556,173.07	
35	3/4"	28.47	326	490		\$9,291.67	total gallons	232,947	
36	1"	47.45	182	456		\$8,654.01			
37	1-1/2" Turbine	94.89	96	480		\$9,109.48			
38	2" Turbine	151.82	96	768		\$14,575.17			
39	3" Turbine	332.12	19	336		\$6,376.64			
40	Charge per 1,000 gallons	\$7.83			27,029	\$211,636.91			
				3,278			164734.72		
41	Total General Service Revenues					\$273,854.69	25947.8208		
42	Average General Service Bill					\$186.45	190,683	8,161,067,399	
43	TOTAL SERVICE REVENUES					\$3,112,457.13	RS GALLONAAGE	6.53	
43	REV REQUIREMENT: LESS MISC. REV					\$3,112,346.13	GS GALLONAAGE	7.83	
44	Revenues from Miscellaneous Charges	\$ 35.13	1,121			\$39,380.73	WW REV. REQUIREMENT	\$3,151,727	\$3,112,346.13
45									
46	Total Wastewater Revenue at 80% Design Capacity					\$3,151,837.86			
	TOTAL REV. REQUIREMENT					\$3,151,726.86			