



**NORTH CAROLINA
PUBLIC STAFF
UTILITIES COMMISSION**

November 27, 2018

Ms. M. Lynn Jarvis, Chief Clerk
North Carolina Utilities Commission
Mail Service Center 4325
Raleigh, North Carolina 27699-4300

Re: Docket No. W-354, Sub 360 - Application of Carolina Water Service, Inc.
of North Carolina (CWSNC) for Authority to Increase Rates for Water and
Sewer Service
Public Staff's Revised Late-Filed Exhibits 4, 7 & 9 of Gina Y. Casselberry

Dear Ms. Jarvis:

The Public Staff has discovered inadvertent errors in the above-referenced late-filed exhibits filed in this docket on November 20, 2018. Please find attached Casselberry Revised Late-Filed Exhibits 4, 7 and 9 for inclusion in the record.

By copy of this letter, I am forwarding a copy to all parties of record by electronic delivery.

Sincerely yours,

Electronically submitted
/s/ Gina C. Holt
Staff Attorney
Gina.Holt@psncuc.nc.gov

GCH/cla

Enclosures

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Communications
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Legal
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Transportation
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Accounting
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Consumer Services
(919) 733-9277

Electric
(919) 733-2267

Natural Gas
(919) 733-4326

Water
(919) 733-5610

Public Staff's Recommended Rates

CWSNC Sewer

Billing Type	Usage	Adjusted Usage		Usage Revenue	EOP Customers	EOP x 12 months	Base Charge	Base Charge Revenue	Total Revenue
		CGF 1.01236	Rate						
Residential Flat, Sewer				-	2,120	25,440	55.89	1,421,954	1,421,954
5/8" Res Metered	362,376,141	366,855,110	3.58	1,313,341	9,546	114,552	44.51	5,098,710	6,412,051
1" Res Metered	732,140		3.58	2,621	19	228	44.51	10,148	12,769
1.5" Res Metered	-		3.58	-	-	-	44.51	-	-
2" Res Metered	74,200		3.58	266	3	36	44.51	1,602	1,868
Total	363,182,481			1,316,228	9,568	114,816		5,110,460	6,426,688
Commercial Flat Rate				-	19	228	55.89	12,744	12,744
5/8" Commercial Metered	24,716,123		3.58	88,484	419	5,028	44.51	223,796	312,280
1" Commercial Metered	4,408,173		3.58	15,781	12	144	111.28	16,024	31,805
1.5" Commercial Metered	4,652,940		3.58	16,658	10	120	222.55	26,706	43,364
2" Commercial Metered	19,199,744		3.58	68,735	47	564	356.08	200,829	269,564
3" Commercial Metered	8,455,966		3.58	30,272	4	48	667.65	32,047	62,320
4" Commercial Metered	904,300		3.58	3,237	1	12	1,112.75	13,353	16,590
6" Commercial Metered	3,922,510		3.58	14,043	2	24	2,225.50	53,412	67,455
Total	66,259,756			237,210	514	6,168		578,911	816,121
Regalwood/White Oaks	-			-	1,061	12,732	55.89	711,648	711,648
White Oaks School	-			-	1	12	1,759.20	21,110	21,110
Child Castle Daycare	-			-	1	12	218.55	2,623	2,623

Carolina Water Service, Inc. of North Carolina
Docket No. W-354, Sub 360
For the 12 Months Ending December 31, 2017

Casselberry Revised
Late-Filed Exhibit No. 4
Page 2 of 6

Public Staff's Recommended Rates

Billing Type	Usage	Adjusted Usage CGF 1.01236	Usage Rate	Usage Revenue	EOP Customers	EOP x 12 months	Base Charge	Base Charge Revenue	Total Revenue
Availability Connestee	-		-	-	260	3,120	4.70	14,664	14,664
Total	429,442,237			1,553,438	13,525	162,300		7,861,369	9,414,807

Purchased Sewer

Billing Type	Usage	Adjusted Usage CGF 1.01236	Usage Rate	Usage Revenue	EOP Customers	EOP x 12 months	Base Charge	Base Charge Revenue	Total Revenue
Mount Carmel	15,998,846	16,196,592	5.88	95,236	381	4,572	37.17	169,941	265,177

College Park

Residential Flat, Sewer only	-		-	-	1	12	55.89	671	671
5/8" Residential Metered	2,230,510	2,258,079	5.70	12,871	51	612	30.40	18,605	31,476
Total	2,230,510			12,871	52	624		19,276	32,147

Kings Grant

5/8" Residential Metered	8,043,531	8,142,949	3.80	30,943	180	2,160	30.40	65,664	96,607
1" Res Metered	223,570		3.80	850	1	12	30.40	365	1,214
Total	8,267,101			31,793	181	2,172		66,029	97,822

White Oak Plantation/Lee Forest/Winston Pointe

5/8" Residential Metered	22,212,210	22,486,753	5.06	113,783	478	5,736	30.40	174,374	288,157
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Public Staff's Recommended Rates

Billing Type	Usage	Adjusted Usage CGF 1.01236	Usage Rate	Usage Revenue	EOP Customers	EOP x 12 months	Base Charge	Base Charge Revenue	Total Revenue
Fairfield Mountain									
5/8" Res. Collection/Treatm.				-	399	4,788	99.90	478,321	478,321
1" Res Collection/Treatm.				-	12	144	99.90	14,386	14,386
Residential Collection				-	411	4,932		492,707	492,707
ww only fit	-		13.93	-	2	24	99.90	2,398	2,398
Small Commercial	457,920		13.93	6,378.83	7	84	78.50	6,594	12,973
Medium Commercial	2,219,380		13.93	30,915.96	11	132	139.50	18,414	49,330
Large Commercial	370,720		13.93	5,164.13	3	36	219.50	7,902	13,066
Nonresidential Metered	3,048,020			42,458.92	23.00	276.00		35,307.60	77,766.52
Total	3,048,020			42,459	434	5,208		528,014	570,473

Billing Type	Usage	Adjusted Usage CGF 1.01236	Usage Rate	Usage Revenue	EOP Customers	EOP x 12 months	Base Charge	Base Charge Revenue	Total Revenue
The Ridges at Mountain Harbour									
5/8" Res Collection/Treatm				-	35	420	48.82	20,504	20,504
5/8" Comm Collection/Treatm				-	1	12	48.82	586	586
2" Comm Collection/Treatm.				-	1	12	177.76	2,133	2,133
Total		-			37	444		23,223	23,223

Public Staff's Recommended Rates

Billing Type	Usage	Usage	Usage Rate	Usage Revenue	EOP Customers	EOP x 12 months	Base Charge	Base Charge Revenue	Total Revenue
CL/MS									
5/8" Residential Sewer	41,941,083	42,459,475	6.62	281,082	781	9,372	52.06	487,906	768,988
1" Residential Sewer	10,117,960		6.62	66,981	90	1,080	130.15	140,562	207,543
5/8" Commercial Sewer	6,965,110		6.62	46,109	67	804	52.06	41,856	87,965
1" Commercial Sewer	3,164,690		6.62	20,950	19	228	130.15	29,674	50,624
1.5" Commercial Sewer	1,000,000		6.62	6,620	3	36	260.31	9,371	15,991
2" Commercial Sewer	1,578,400		6.62	10,449	2	24	416.49	9,996	20,445
3" Commercial Sewer	72,000		6.62	477	1	12	780.92	9,371	9,848
Total	64,839,243			432,668	963	11,556		728,737	1,161,404

Billing Type	Usage	Usage	Usage Rate	Usage Revenue	EOP Customers	EOP x 12 months	Base Charge	Base Charge Revenue	Total Revenue
Sapphire Valley									
5/8" Res Metered	13,580,338		3.58	48,618	645	7,740	44.51	344,507	393,125
1" Res Metered	87,117		3.58	312	2	24	44.51	1,068	1,380
1.5" Res Metered (2)	-		3.58	-	-	-	44.51	-	-
2" Res Metered (3)	-		3.58	-	-	-	44.51	-	-
Total Res Metered	13,667,455			48,929	647	7,764		345,576	394,505

Public Staff's Recommended Rates

Billing Type	Usage	Usage Rate	Usage Revenue	EOP Customers	EOP x 12 months	Base Charge	Base Charge Revenue	Total Revenue
Sapphire Valley								
5/8" Commercial Sewer (1)	1,692,720	3.58	6,060	23	276	44.51	12,285	18,345
1" Commercial Sewer	791,279	3.58	2,833	3	36	111.28	4,006	6,839
1.5" Commercial Sewer (2)	5,994,406	3.58	21,460	34	408	222.55	90,800	112,260
2" Commercial Sewer (3)	4,600,000	3.58	16,468	23	276	356.08	98,278	114,746
3" Commercial Sewer	1,321,926	3.58	4,732	1	12	667.65	8,012	12,744
Availability				91	1,092	8.30	9,064	9,064
Total	28,067,786		100,483	822	9,864		568,020	668,503

Billing Type	Usage	Adjusted Usage CGF 1.01236	Usage Rate	Usage Revenue	EOP Customers	EOP x 12 months	Base Charge	Base Charge Revenue	Total Revenue
Elk River									
5/8" Residential Metered	1,842,376	1,865,148	3.58	6,677	116	1,392	44.51	61,958	68,635
1" Res Residential Metered	110,492		3.58	396	4	48	44.51	2,136	2,532
Total Residential Metered	1,952,868			34	120	1,440		64,094	71,167

Public Staff's Recommended Rates

Billing Type	Usage	Usage Rate	Usage Revenue	EOP Customers	EOP x 12 months	Base Charge	Base Charge Revenue	Total Revenue
Elk River								
5/8" Commercial Metered	201,118	3.58	720	2	24	44.51	1,068	1,788
1" Commercial Metered	476,855	3.58	1,707	1	12	111.28	1,335	3,042
2" Commercial Metered	401,259	3.58	1,437	2	24	356.08	8,546	9,982
Total Commercial Metered	1,079,232		3,864	5	60		10,949	14,813
Total	3,032,100		3,898	125	1,500		75,044	85,980
Total	577,138,053		2,386,627	16,998	203,976		10,214,028	12,607,694

Notes

- 1 Added 4 multi-meter residential customers to commercial customer, 4 buildings (19 + 4 = 23)
- 2 Reclassified 32 multi-metered residential customers to commercial customer, 32 building x 4 units = 128 (32+2= 34)
- 3 Reclassified 17 multi-metered residential customers to commercial customers, 17 x 4 = 68 (17+6 = 23)

The flat rate is based on average usage of 3,180 gallons

Ratio: base charge to usage charge for uniform residential customers (not including MS/CL and purchased sewer)

Base	Usage
80.09	19.91

The collection charge is 68.3 percent, see Casselberry Late Exhibit No. 9

**COMPANY'S PRESENT AND PROPOSED RATES AND THE PUBLIC STAFF'S
RECOMMENDED WATER AND SEWER RATES**

WATER RATES AND CHARGES UNDER UNIFORM RATES

MONTHLY METERED SERVICE: (Residential and Commercial)

	<u>Existing</u>	<u>Proposed</u>	<u>Public Staff's Recommend</u>
Base Facilities Charges (zero usage)			
< 1" meter	\$ 24.44	\$ 28.16	\$ 23.31
1" meter	\$ 61.10	\$ 70.39	\$ 58.28
1-1/2" meter	\$ 122.20	\$ 140.79	\$ 116.55
2" meter	\$ 195.52	\$ 225.26	\$ 186.48
3" meter	\$ 366.60	\$ 422.36	\$ 349.65
4" meter	\$ 611.00	\$ 703.93	\$ 582.75
6" meter	\$1,222.00	\$1,408.87	\$1,165.50

AVERAGE RESIDENTIAL BILL (based on 3,680 gallons) \$ 52.78 \$ 60.80 \$ 53.49

USAGE CHARGE:

A. Treated Water/1,000 gallons	\$ 7.70	\$ 8.87	\$ 8.20
B. Untreated Water/1,000 gallons (Brandywine Bay Irrigation Water)	\$ 4.11	\$ 4.11	\$ 4.11

C. Purchased Water for Resale

<u>Service Area</u>	<u>Bulk Provider</u>	<u>Usage Charge/ 1,000 gallons</u>	<u>Usage charge /1,000 gallons</u>	<u>Usage charge /1,000 gallons</u>
Carolina Forest	Montgomery County	\$ 3.19	\$ 3.19	\$ 3.19
High Vista Est.	City of Hendersonville	\$ 3.25	\$ 3.25	\$ 3.25
Riverpointe	Charlotte Water	\$ 6.30	\$ 6.30	\$ 6.30
Whispering Pines White Oak Plt./	Town of Southern Pines	\$ 2.23	\$ 2.23	\$ 2.23
Lee Forest	Johnston County	\$ 2.28	\$ 2.28	\$ 2.40
Winston Plt.	Johnston County	\$ 2.28	\$ 2.28	\$ 2.40
Winston Point	Johnston County	\$ 2.28	\$ 2.28	\$ 2.40
Woodrun	Montgomery County	\$ 3.19	\$ 3.19	\$ 3.19
Yorktown	City of Winston-Salem	\$ 5.01	\$ 5.01	\$ 5.01
Zemosa Acres	City of Concord	\$ 5.27	\$ 5.27	\$ 5.27
Carolina Trace	City of Sanford	\$ 2.21	\$ 2.21	\$ 2.21

MONTHLY FLAT RATE SERVICE: \$ 47.45 \$ 54.67 \$ 53.49

AVAILABILITY RATES (semi-annual):

Applicable only to property owners in Carolina Forest
and Woodrun Subdivision in Montgomery County \$ 24.65 \$ 24.65 \$ 24.65

AVAILABILITY RATES (monthly):

Applicable only to property owners in Linville Ridge
Subdivision \$ 12.35 \$ 12.35 \$ 12.35

AVAILABILITY RATES (monthly):

Applicable only to property owners in Fairfield Sapphire
Valley Service Area \$ 9.10 \$ 9.10 \$ 9.10

AVAILABILITY RATES (monthly):

Applicable only to property owners in Connestee Falls \$ 4.80 \$ 4.80 \$ 4.80

SEWER RATES AND CHARGES UNDER UNIFORM RATES

MONTHLY METERED SERVICE:

	<u>Existing</u>	<u>Proposed</u>	<u>Public Staff Recommend</u>
Base Facilities Charges (zero usage)			
Residential	\$ 45.97	\$ 50.10	\$ 44.51
Commercial and Other:			
<1" meter	\$ 45.97	\$ 50.10	\$ 44.51
1" meter	\$ 114.93	\$ 125.25	\$ 111.28
1-1/2" meter	\$ 229.85	\$ 250.50	\$ 222.55
2" meter	\$ 367.76	\$ 400.80	\$ 356.08
3" meter	\$ 689.55	\$ 751.50	\$ 667.65
4" meter	\$1,149.25	\$1,252.50	\$1,112.75
6" meter	\$2,298.50	\$2,504.99	\$2,225.50
Usage charge, per 1,000 gallons	\$ 3.11	\$ 3.39	\$ 3.58

AVERAGE RESIDENTIAL BILL (based on 3,180 gallons) \$ 55.86 \$ 60.88 \$ 55.89

MONTHLY FLAT RATE SERVICE:

Multi-residential customers who are served by a
 Master meter shall be charged the flat rate per unit

MONTHLY METERED PURCHASED SEWER SERVICE:

Collection charge (Residential and Commercial/SFE)	\$ 36.75	\$ 40.04	\$ 30.40
Usage charge, per 1,000 gallons based on purchased water			
<u>Service Area</u>	<u>Bulk Provider</u>	<u>Usage Charge/ 1,000 gallons</u>	<u>Usage charge/ 1,000 gallons</u>
White Oak Pit./Lee			
Forest/Winston Pt.	Johnston County	\$ 4.82	\$ 5.06
Kings Grant	Two Rivers Utilities	\$ 3.80	\$ 3.80
College Park	Town of Dallas	\$ 5.70	\$ 5.70

MT CARMEL SUBDIVISION SERVICE AREAS:

	<u>Existing</u>	<u>Proposed</u>	<u>Public Staff's Recommend</u>
Monthly Base Facility Charge	\$ 6.77	\$ 6.77	\$ 6.77
Usage charge/1,000 gallons (Based on metered water usage)	\$ 5.88	\$ 5.88	\$ 5.88
Monthly Collection Charge (Residential and Commercial)	\$ 36.75	\$ 40.05	\$ 30.40

REGALWOOD AND WHITE OAK ESTATES SUBDIVISION SERVICE AREAS:

A. Monthly Flat Rate Sewer Service:

	<u>Existing</u>	<u>Proposed</u>	<u>Public Staff's Recommend</u>
Residential Service	\$ 56.57	\$ 61.65	\$ 55.89
White Oak High School	\$1,770.10	\$1,929.12	\$ 1,759.20
Child Castle Daycare	\$ 219.90	\$ 239.66	\$ 218.55
Pantry	\$ 116.80	\$ 127.29	\$ 116.10

**FAIRFIELD MOUNTAIN/APPLE VALLEY (a.k.a. RUMBLING BALD) SERVICE AREA, HIGHLAND SHORES
SUBDIVISION AND LAUREL MOUNTAIN ESTATES**

Monthly Sewer Rates:

	<u>Existing</u>	<u>Proposed</u>	<u>Public Staff Recommend</u>
Residential			
Collection charge/dwelling unit	\$ 36.75	\$ 40.05	\$ 30.40
Treatment charge/dwelling unit	<u>\$ 69.50</u>	<u>\$ 69.50</u>	<u>\$ 69.50</u>
Total monthly flat rate/dwelling unit	\$ 106.25	\$ 109.55	\$ 99.90
Commercial and Other			
Minimum monthly collection and treatment charge	\$ 106.25	\$ 109.55	\$ 99.90
Monthly collection and treatment charge for Customers who do not take water service (Per single family equivalent)	\$ 106.25	\$ 109.55	\$ 99.90
Treatment charge per dwelling unit			
Small (less than 2,500 gallons per month)	\$ 78.50	\$ 78.50	\$ 78.50
Medium (2,500 to 10,000 gallons per month)	\$ 139.50	\$ 139.50	\$ 139.50
Large (over 10,000 gallons per month)	\$ 219.50	\$ 219.50	\$ 219.50
Collection Charge, per 1,000 gallons	\$ 13.93	\$ 13.93	\$ 13.93

AVAILABILITY RATES (monthly):

Applicable only to property owners in Fairfield Sapphire Valley Service Area	\$ 8.30	\$ 8.30	\$ 8.30
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AVAILABILITY RATES (monthly):

Applicable only to property owners in Connestee Falls	\$ 4.70	\$ 4.70	\$ 4.70
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FAIRFIELD SAPPHIRE VALLEY

The Public Staff is recommending CWSNC's uniform metered sewer rates.

	<u>Existing</u>	<u>Proposed</u>	<u>Public Staff Recommend</u>
Monthly Flat Sewer Rate Service:	\$ 56.57	\$ 61.65	
Monthly Metered Sewer Rate			
Base Facilities Charges (zero usage)			
Residential			\$ 44.51
Commercial and Other:			
<1" meter			\$ 44.51
1" meter			\$ 111.28
1-1/2" meter			\$ 222.55
2" meter			\$ 356.08
3" meter			\$ 667.65
4" meter			\$ 1,112.75
6" meter			\$ 2,225.50
Usage charge, per 1,000 gallons			\$ 3.58
<u>AVERAGE RESIDENTIAL BILL (based on 3,180 gallons)</u>	\$ 56.57	\$ 61.65	\$ 55.89

THE RIDGES AT MOUNTAIN HARBOUR

The Public Staff is recommending purchase sewer rates

	<u>Existing</u>	<u>Proposed</u>	<u>Public Staff Recommend</u>
Residential			
Monthly Flat Sewer Rate Service:	\$ 56.57	\$ 61.65	
Commercial			
Monthly Metered Sewer Rate			
Base Facilities Charges (zero usage)			
<1" meter	<u>Existing</u> \$ 45.97	<u>Proposed</u> \$ 50.10	
2" meter	\$ 367.76	\$ 400.80	
Usage Charge	\$ 3.11	\$ 3.39	

Purchased Sewer

	<u>Public Staff Recommend</u>
Collection charge (Residential and Commercial)	\$ 30.40
Treatment Charge (Residential and Commercial)	
< 1 inch meter	\$ 18.42
2 inch meter	\$ 147.36

ELK RIVER DEVELOPMENT

The Public Staff is recommending CWSNC's uniform water and sewer rates.

MONTHLY METERED WATER SERVICE: (Residential and Commercial)

	<u>Existing</u>	<u>Proposed</u>	<u>Public Staff's Recommend</u>
Base Facilities Charges (zero usage)			
< 1" meter	\$ 19.52	\$ 28.16	\$ 23.31
1" meter	\$ 48.79	\$ 70.39	\$ 58.28
1-1/2" meter	\$ N/A	\$ 140.79	\$ 116.55
2" meter	\$ 156.12	\$ 225.26	\$ 186.48
Usage charge, per 1,000 gallons	\$ 4.29	\$ 8.87	\$ 8.20
<u>AVERAGE RESIDENTIAL BILL</u> (based on 3,680 gallons)	\$ 35.31	\$ 60.80	\$ 53.49

MONTHLY METERED SEWER SERVICE:

	<u>Elk River's Existing Rates</u>
Base facility Charge (Residential and commercial)	
<1" meter	\$ 23.38
1" meter	\$ 58.45
2" meter	\$ 187.05

Carolina Water Service Inc., of North Carolina
 Docket No. W-354, Sub 360
 For the 12 Months Ending December 31, 2017

Casselberry Revised
 Late-Filed Exhibit No. 7
 Page 5 of 5

	<u>Existing</u>	<u>CWSNC's Uniform Rates Proposed</u>	<u>Public Staff Uniform Rates Recommend</u>
Base Facilities Charges (zero usage)			
Residential	\$	\$ 50.10	\$ 44.51
Commercial and Other:			
<1" meter	\$	\$ 50.10	\$ 44.51
1" meter	\$	\$ 125.25	\$ 111.28
1-1/2" meter	\$	\$ 250.50	\$ 222.55
2" meter	\$	\$ 400.80	\$ 356.08
Usage charge, per 1,000 gallons	\$ 3.00	\$ 3.39	\$ 3.58
<u>AVERAGE RESIDENTIAL BILL (based on 3,180 gallons)</u>	\$ 32.92	\$ 60.88	\$ 55.89

General Expenses for Maintenance and Repairs

Description	Total Amount	Collection Charge	
Salaries and Wages	1,540,179	1,540,179	
Purchased Power	748,066	74,807	10% for lift sta.
Chemicals	347,986	-	
Transportation	142,640	142,640	
Testing	302,561	-	
Operations charged to plant	(219,769)	(219,769)	
Outside services	154,330	154,330	
Maintenance and Repairs			
Supplies	39,680	39,680	
Repairs	92,235	92,235	
Breaks	5,285	5,285	
Electrical Equipment	20,194	20,194	
Permits	67,801	-	
Other Maintenance Expenses	303,749	303,749	
Deferred Maintenance	346,975	346,975	
Communication	-	-	
Equipment rental	558	558	
Contract workers	7,566	7,566	
Outside lab fees	27	-	
Repairs Maintenance land	-	-	
Uniforms	5,079	5,079	
Weather/Hurricane	13,974	13,074	
Sewer Rodding	238,233	238,233	
Sludge Hauling			
Total	4,157,349	2,764,815	66.50

Residential < 1 inch	Base charge	Collection	Percentage
Existing Rate	45.97	36.75	79.94
Proposed Rate	50.10	40.05	79.94
Public Staff Recommended Rate			68.30