

BEFORE THE NORTH CAROLINA UTILITIES COMMISSION

DOCKET NO. W-354, SUB 364

In the Matter of  
Application of Carolina Water Service, )  
Inc., of North Carolina, Post Office Box )  
240908, Charlotte, North Carolina )  
28244 for Authority to Adjust and )  
Increase Rates for Water and Sewer )  
Utility Service in All Service Areas in )  
North Carolina )

TESTIMONY OF  
GINA Y. CASSELBERRY  
PUBLIC STAFF – NORTH  
CAROLINA UTILITIES  
COMMISSION

**STATE OF NORTH CAROLINA  
UTILITIES COMMISSION  
RALEIGH**

**CAROLINA WATER SERVICE, INC. OF NORTH CAROLINA**

**DOCKET NO. W-354, SUB 364**

**TESTIMONY OF GINA Y. CASSELBERRY  
ON BEHALF OF THE PUBLIC STAFF**

**NOVEMBER 4, 2019**

1 **Q. PLEASE STATE FOR THE RECORD YOUR NAME, BUSINESS**  
2 **ADDRESS, AND PRESENT POSITION.**

3 A. My name is Gina Y. Casselberry. My business address is 430 North  
4 Salisbury Street, Dobbs Building, Raleigh, North Carolina. I am an  
5 Advanced Utilities Engineer with the Public Staff's Water, Sewer, and  
6 Telephone Division.

7 **Q. BRIEFLY STATE YOUR QUALIFICATIONS AND EXPERIENCE**  
8 **RELATING TO YOUR PRESENT POSITION WITH THE PUBLIC**  
9 **STAFF.**

10 A. I graduated from Michigan Technology University, receiving a Bachelor  
11 of Science Degree in Civil Engineering. I have been with the Public  
12 Staff's Water Division since February 1992. I have presented  
13 recommendations in rate increase proceedings, new franchise and  
14 transfer proceedings, and other matters before the Commission for the

1 past twenty-seven years, including Carolina Water Service, Inc. of  
2 North Carolina's last six general rate cases.

3 **Q. WHAT ARE YOUR DUTIES IN YOUR PRESENT POSITION?**

4 A. My duties with the Public Staff are to monitor the operations of  
5 regulated water and sewer utilities with regard to service and rates.  
6 Included in these duties are field investigations to review, evaluate, and  
7 recommend changes, when needed, in the design, construction, and  
8 operations of regulated water and sewer utilities; presentation of expert  
9 testimony in formal hearings; and presentation of information, data,  
10 and recommendations to the Commission.

11 **Q. PLEASE DESCRIBE THE SCOPE OF YOUR INVESTIGATION IN**  
12 **THIS CASE.**

13 A. On June 28, 2019, Carolina Water Service, Inc. of North Carolina  
14 (CWSNC or Company) filed an application with the Commission to  
15 increase its rates for providing water and sewer utility service in all of  
16 its service areas in North Carolina, including the service areas of  
17 Riverbend Estates and Silverton Subdivision, which were recently  
18 transferred to CWSNC pursuant to the Commission's Orders issued  
19 on May 16, 2019 in Docket No. W-354, Sub 358, and on July 29, 2019,  
20 in Docket No. W-354, Sub 361, respectively. My investigation included  
21 a review of customer complaints, contact with the Department of  
22 Environmental Quality, review of company records, and analysis of

1 revenues at existing and proposed rates. I have also assisted Public  
2 Staff Accountant Lynn Feasel in reviewing plant in service.

3 **Q. BRIEFLY DESCRIBE THE COMPANY'S APPLICATION IN THIS**  
4 **CASE.**

5 A. CWSNC is proposing to increase water and sewer rates for its four  
6 rate divisions: CWSNC Uniform Water, CWSNC Uniform Sewer,  
7 Treasure Cove/Bradfield Farms/Fairfield Harbour (TC/BF/FH) Water,  
8 and Bradfield Farms/Fairfield Harbour (BF/FH) Sewer. CWSNC is  
9 proposing uniform sewer rates for the Corolla Light/Monteray Shores  
10 (CLMS) service area. CWSNC is also proposing to pass on the  
11 increased cost of purchased water and sewer treatment to  
12 purchased water and sewer customers. The test year for this rate  
13 case is the 12-month period ending March 31, 2019.

14 **Q. PLEASE DESCRIBE CWSNC'S SERVICE AREAS.**

15 A. CWSNC provides water to 96 service areas and sewer to 37 service  
16 areas, some of which have multiple subdivisions. The service areas  
17 are spread throughout North Carolina. CWSNC serves primarily  
18 residential customers, but it also serves a limited number of retail and  
19 commercial customers. Casselberry Exhibit Nos. 1 and 2 lists  
20 CWSNC's service areas. As of the twelve-month period ending  
21 March 31, 2019, CWSNC served 30,724 water customers and  
22 20,105 wastewater customers, including CLMS. There are also

1 3,532 water availability customers in the Carolina Forest, Woodrun,  
 2 Linville Ridge, Sapphire Valley, Connestee Falls, and Fairfield  
 3 Harbour service areas, and 1,274 sewer availability customers in  
 4 Sapphire Valley, Connestee Falls, and Fairfield Harbour service  
 5 areas.

6 **Q. WHAT ARE CWSNC'S PRESENT AND PROPOSED RATES?**

7 A. CWSNC's present and proposed rates for water and sewer utility  
 8 services are shown in Casselberry Exhibit No. 3.

9 **Q. WHAT EFFECTS WOULD THE PROPOSED RATES HAVE ON**  
 10 **RESIDENTIAL CUSTOMERS?**

11 A. If the rates requested by CWSNC are approved, the average  
 12 residential bill (< 1" inch meter) will increase, based on the average  
 13 monthly usage in gallons shown, as follows:

<b>WATER OPERATIONS</b>				
<u>Service Area</u>	<u>Average Usage</u>	<u>Existing</u>	<u>Proposed</u>	<u>Percentage</u>
Uniform Flat Rate		\$53.58	\$61.96	15.64%
Uniform Metered Rate	3,630	\$53.23	\$61.83	16.16%
Carolina Trace	3,630	\$35.55	\$37.83	6.41%
Carolina Forest	3,630	\$39.11	\$41.39	5.83%
High Vista Estates	3,630	\$39.33	\$42.26	7.45%
Riverbend Estates	3,630	\$53.67	\$55.95	4.25%
Riverpointe	3,630	\$50.40	\$53.33	5.81%
Whispering Pines	3,630	\$35.62	\$37.90	6.40%
White Oak/Lee Forest	3,630	\$36.24	\$39.43	8.80%
Winston Plantation	3,630	\$36.24	\$39.43	8.80%
Winston Pointe	3,630	\$36.24	\$39.43	8.80%
Woodrun	3,630	\$39.11	\$31.39	5.83%
Yorktown	3,630	\$45.72	\$48.65	6.41%
Zemosa Acres	3,630	\$46.66	\$48.94	4.89%
Fairfield Harbour				
Treasure Cove				
Bradfield Farms	4,129	\$32.22	\$37.04	14.96%

1  
2  
3  
4  
5  
6  
7  
8  
9  
10  
11  
12  
13  
14  
15  
16  
17  
18  
19  
20  
21  
22  
23  
24  
25

**Under CWSNC's Proposed Pilot Program**

Service Area	Average			Percentage
	Usage	Existing	Proposed	
Uniform Metered Rate	3,207	\$ 50.23	\$ 58.09	15.65%
The Point Service Area	10,577	\$102.41	\$120.66	17.82%

**SEWER OPERATIONS**

Service Area	Average			Percentage
	Usage	Existing	Proposed	
Uniform Flat Rate		\$ 57.82	\$ 79.46	37.43%
Uniform Metered Sewer	3,095	\$ 57.51	\$ 77.62	34.97%
White Oak Plantation/Lee				
Forest/Winston Point	3,095	\$ 47.29	\$ 58.02	22.69%
Kings Grant	3,095	\$ 43.39	\$ 53.10	22.38%
College Park	3,095	\$ 49.27	\$ 58.42	18.57%
Mt. Carmel	3,095	\$ 56.60	\$ 66.96	18.30%
Fairfield Mountain	3,095	\$101.13	\$110.28	9.05%
The Ridges	3,095	\$ 50.05	\$ 59.21	18.30%
CLMS	5,450	\$ 88.14	\$ 91.28	3.56%
Fairfield Harbour/ Bradfield Farms		\$50.46	\$ 55.66	10.31%
Bulk Sewer		\$50.46	\$ 55.66	10.31%
Hawthorne at the Green		\$50.46	\$ 55.66	10.31%
Silverton		\$50.46	\$ 55.66	10.31%

26 **Q. HAVE YOU REVIEWED THE OPERATIONAL STATUS OF THE**  
 27 **WATER AND SEWER SYSTEMS WITH THE NORTH CAROLINA,**  
 28 **DEPARTMENT OF ENVIRONMENTAL QUALITY (DEQ), DIVISION**  
 29 **OF WATER RESOURCES (DWR) AND PUBLIC WATER SUPPLY**  
 30 **SECTION (PWSS)?**

31 **A.** Yes. I contacted the seven regional offices in North Carolina. The  
 32 PWSS identified four water systems which required action by  
 33 CWSNC and DWR identified three wastewater treatment plants as  
 34 discussed below:



1 but acquired an additional easement to drill a replacement well on  
2 the same well site. However, the new well will require treatment for  
3 manganese. Treatment options are now being reviewed, and once  
4 the best solution is determined, CWSNC will take the necessary  
5 steps to acquire approval from DEQ.

6 Wood Trace:

7 PWSS reported that the system had had issues with iron and  
8 manganese. New filters have been installed, but there is no means  
9 to dispose of the backwash water. CWSNC has confirmed that it has  
10 commissioned an engineering firm to design a site plan to obtain a  
11 permit to pump and haul filter backwash to CWSNC's Ashley Hill's  
12 WWTP. Once approval has been obtained from DEQ, the filters can  
13 be activated.

14 Sapphire Valley:

15 Sapphire Valley has 10 wells. In July 2018, elevated levels of  
16 uranium were detected at Well No. 8. As a result, the frequency for  
17 testing uranium at Well No. 8 has been changed from once every six  
18 years to quarterly testing. Subsequent testing results indicate  
19 fluctuating levels of uranium, which have been close or just above  
20 the maximum contaminant level (MCL) of 20.1 picocuries per liter  
21 (pCi/L). However, compliance is based on a running annual average,

1 which is currently below the MCL at 19.90 pCi/L. CWSNC has  
2 decided to proceed with treatment and estimates that the project  
3 should be completed by May 2020.

4 Sewer Systems

5 CLMS:

6 DWR reported that the wastewater treatment plant for Corolla Light  
7 is in poor condition. The steel plant is structurally deteriorating and  
8 needs significant upgrades, or the plant will need to be taken offline.  
9 In addition, there are also groundwater-related issues that need to  
10 be addressed. CWSNC has informed the Public Staff that it is their  
11 intent to upgrade the plant at Monteray Shores to receive the flow  
12 from Corolla Light. The plans for upgrading Monteray Shores's plant  
13 should be submitted to DEQ for review by the end of 2019, and the  
14 Corolla Light plant is slated for demolition potentially within the next  
15 12-18 months once the flow is diverted.

16 Carolina Trace:

17 DWR reported that this system has chronic compliance issues  
18 related to operations and maintenance of the wastewater treatment  
19 plant (WWTP). I have reviewed the summary sheet provided by  
20 DWR. The majority of the violations were for exceeding daily flows,  
21 fecal coliform, and failing to restrict access to the facility, which took

1 place in late 2018 and 2019. CWSNC responded by stating that the  
2 violations in 2018 and 2019 were a result of flooding and damage to  
3 the WWTP caused by Hurricane Florence. One of the two treatment  
4 units experienced major structural damage. The ultraviolet (UV)  
5 disinfection system and the perimeter fencing were damaged. In  
6 response to Hurricane Florence, CWSNC took the following steps:

7 1) Continued to disinfect the effluent flow with chlorine tablets  
8 while the UV system was being evaluated. However, using the  
9 tablets were less reliable due to the erratic flow to the facility. The UV  
10 system has been repaired and is fully operational.

11 2) The security fence damaged due to floating debris during  
12 the flood has been repaired.

13 3) The engineering firm commissioned by CWSNC has  
14 completed a preliminary report to evaluate the damage and  
15 determine the best course of replacement as well as mitigation to  
16 avoid future occurrences. CWSNC anticipates that design and  
17 permitting will begin in early 2020.

18 Ashley Hills:

19 DWR reported that this system has chronic compliance issues  
20 related to operations and maintenance of the wastewater treatment  
21 facility (WWTF). The majority of violations were for exceeding

1 biochemical oxygen demand (BOD) and Fecal Coliform (FC).  
2 CWSNC reported that the issues relate back to two operational  
3 deficiencies:

4 1) A worn air header prevented the uniform distribution of the  
5 dissolved oxygen to the facility hampering the ability to remove BOD.

6 2) A failing UV disinfection system that was unreliable and  
7 difficult to repair.

8 Both renovation projects were completed in early 2019.

9 It is the Public Staff's opinion that CWSNC has taken the necessary  
10 actions and is satisfied that the concerns reported by DWR and  
11 PWSS have been addressed or are in the process of being resolved.

12 **Q. HAS THE PUBLIC STAFF RECEIVED ANY CUSTOMER**  
13 **COMPLAINTS AS A RESULT OF THE CUSTOMER NOTICES IN**  
14 **THIS PROCEEDING?**

15 A. Yes. Customer hearings and complaints will be addressed in  
16 Casselberry supplemental testimony.

17 **Q. BRIEFLY EXPLAIN YOUR BILLING ANALYSIS.**

18 A. I determined the end-of-period (EOP) customers for each service  
19 area, for each meter type, for the twelve months ending March 31,  
20 2019, based on the billing data provided in Item-26 filed with the

1 Company's application. I determined the annual consumption in the  
 2 same manner. The results of my billing analysis are shown in  
 3 Casselberry Exhibit Nos. 4, 5, 6, and 7.

4 **Q. WHAT ARE THE PUBLIC STAFF'S ANNUAL SERVICE**  
 5 **REVENUES UNDER PRESENT AND PROPOSED RATES?**

6 A. CWSNC's uniform water and sewer, TC/BF/FH's water, and BF/FH's  
 7 sewer present and proposed service revenues for the twelve months  
 8 ending March 31, 2019, are shown below:

9 Public Staff's Service Revenues

10 Water Utility Service:

	<u>Present</u>	<u>Proposed</u>
11 CWSNC Uniform	\$17,485,912	\$20,186,663
12 TC/BF/FH	\$ 1,304,521	\$ 1,493,692

14 Sewer Utility Service:

	<u>Present</u>	<u>Proposed</u>
15 CWSNC Uniform	\$12,961,929	\$16,944,901
16 BF/FH	\$ 2,099,870	\$ 2,313,318

18 For the calculations, see Casselberry Exhibit Nos. 8, 9, 10, 11, 12,  
 19 13, 14, and 15.

1 Q. PLEASE EXPLAIN WHY THE PUBLIC STAFF'S REVENUES AT  
2 PRESENT RATES FOR UNIFORM WATER AND SEWER ARE  
3 SIGNIFICANTLY HIGHER THAN THE COMPANY'S REVENUES  
4 IN THEIR APPLICATION FILING?

5 A. In my billing analysis, I removed customers who were billed twice in  
6 March or added customers, based on previous months, who were  
7 not billed in March. As a result, the total EOP customers I determined  
8 are slightly different than the Company. I also corrected other errors  
9 the Company made in compiling EOP customers for all its service  
10 areas.

11 Uniform Water: The Company omitted 351 residential  
12 customers in Linville Ridge. In addition, Linville Ridge and The  
13 Ridges are now fully metered. I reclassified both of them as new  
14 metered residential customers and estimated the usage based on an  
15 average usage of 1,920 per customer, which was agreed to in the  
16 last general rate case, Docket No. W-354, Sub 360.

17 Uniform Sewer: The Company omitted 338 flat-rate customers  
18 in Carolina Pines and 62 multi-unit flat-rate customers in various  
19 service areas. It has been established that homeowner associations  
20 (HOA) and condominium associations (CA) who receive a bill from  
21 CWSNC and then bill their members are classified as commercial  
22 customers. Therefore, I reclassified 49 multi-residential customers to

1 1.5-inch commercial customers and 4 multi-residential customers to  
2 5/8 inch commercial customers, which reflects the actual bill sent to  
3 the HOA or CA. The revenue was understated because residential  
4 customers pay the same base charge regardless of the size of the  
5 meter. I corrected the availability revenue for Sapphire Valley and  
6 Connestee Falls. Sapphire Valley has a monthly rate, billed  
7 semiannually, and Connestee Falls has a monthly rate, billed  
8 quarterly. I also corrected the rate for The Ridges.

9 The Company agreed with the Public Staff's corrections and revenue  
10 at present rates, as indicated in the Company's rate case updates,  
11 filed on October 4, 2019.

12 **Q. DO YOU HAVE ANY CONCERNS IN REGARD TO CWSNC'S**  
13 **BILLING DATA?**

14 A. Yes. The Company is still unable to provide the Public Staff with an  
15 accurate count of active customers for the test period. As I testified  
16 above, the Company's total EOP customers are missing entire  
17 service areas, included customers billed twice in March or not at all,  
18 and did not account for multi-unit customers but counted them as one  
19 customer. In Docket No, W-354, Sub 336, Ordering Paragraph 8, the  
20 Commission Ordered:

1           “That CWSNC shall modify its billing system such that  
2 CWSNC has the capability to generate reports that reflect the  
3 actual number of customers each month (not the number of  
4 bills produced each month) or shall change its policy  
5 concerning billing cycles such that customers shall be billed  
6 only once per month.”

7           In addition, in Ordering Paragraph 9, the Commission further  
8 ordered:

9           “That, CWSNC shall include the following in its NCUC Form  
10 W-1 filing in its next general rate case proceeding: (a) an  
11 individual spreadsheet for each service area, which shows the  
12 number of actual customers served for each meter type, and  
13 the actual usage for each meter type for each month for the  
14 12-month test period specified in its application and (b) a  
15 spreadsheet summarizing the total number of active  
16 customers and total usage for each billing type for each month  
17 for the 12-month test period specified in the application.”

18           For example, I selected six service areas from the Company’s Item-  
19 26 filing in the application: Belvedere Plantation, Brandywine Bay,  
20 Grandview at T-Square, Misty Mountain, Ski Mountain, and Nags  
21 Head. The active customers (5/8 inch residential) for Belvedere  
22 Plantation for July through December are 1215, 1231, 1220, 1242,  
23 1235, and 1212, respectively. An increase in growth or a reduction  
24 in growth would be represented as a linear progression, such as  
25 1215, 1217, 1217 1219, 1219, and 1224, or the opposite 1215, 1213,  
26 1213, 1210, not erratic like the numbers are shown above. The same  
27 is true for Grand-T: 75, 70, 72, 82, 77 August through December and  
28 Misty Mountain: 141, 136, 148, and 140 August through November.  
29 Brandywine Bay was billed twice for the end month of the test year  
30 period, 855, 9, and 1684, January, February, and March, as well as

1 Ski Mountain and Nags Head. Should the Commission approve the  
2 consumption adjustment mechanism (CAM), it is critical that the  
3 number of active EOP customers and consumption provided by the  
4 Company is reliable and accurate and that the Public Staff can  
5 complete its billing analysis in a timely manner. The Public Staff  
6 recommends that in the next general rate case, W-1, Item 26 be  
7 reconciled with CWSNC's bill date to ensure that the filing does not  
8 include double bills, that the Company accounts for multi-unit  
9 customers; and that other bills produced, such as final bills, late  
10 notices, rebills or other miscellaneous bills, are not included in the  
11 W-1, Item 26 filing.

12 **Q. HAVE YOU INVESTIGATED AVERAGE CONSUMPTION?**

13 A. Yes. I calculated the average consumption for 2016, 2017, and 2018,  
14 as shown in Casselberry Exhibit No. 16, which reflects total bills  
15 produced and corresponding consumption. The EOP customers and  
16 consumption for 2016 and 2017 are based on Casselberry Exhibits  
17 Nos 4 and 8, in Docket W-354, Sub 356, and Casselberry Exhibits  
18 Nos 4 and 6 in Docket No. W-354, Sub 360, respectively. The EOP  
19 customers and consumption for 2018 was provided by the Company  
20 in this proceeding. The average consumption for uniform residential  
21 water customers, not including purchased water customers, in 2016  
22 was 3,961 gallons. The 2016 average consumption is the annual  
23 consumption prior to consolidating Utilities Inc. subsidiary

1 companies; Bradfield Farms Water Company, Carolina Trace  
2 Utilities, Inc., CWS Systems, Inc., Elk River, and Transylvania  
3 Utilities, Inc. into CWSNC's two water rate divisions, uniform water,  
4 and TC/BF/HF water. The first year after consolidation, the average  
5 consumption for uniform customers dropped from to 3,961 gallons to  
6 3,620 gallons. It is my opinion that the drop in consumption is due to  
7 the following: 1) the magnitude of the rate increase in Sub 356, 2)  
8 the number of seasonal water customers which were added to  
9 uniform water, such as Sapphire Valley, Fairfield Mountain, Elk  
10 River, and Connestee Falls, 3) the different rates between customers  
11 with system-specific rates versus uniform rates and 4) "rate shock"  
12 for some customers after receiving their first water bill under the new  
13 consolidated rates. However, the second year after consolidation,  
14 the average consumption increased slightly from 3,620 gallons to  
15 3,673 gallons. There was a very small increase in the water rate in  
16 Sub 360. In my opinion, at least one more year of data is necessary  
17 to determine if consumption has stabilized or will consumption  
18 continues to decline.

19 **Q. HOW DID YOU DETERMINE THE USAGE CHARGE FOR**  
20 **PURCHASED WATER AND SEWER CUSTOMERS?**

21 A. The usage charge for purchased water and sewer systems reflect the  
22 suppliers' current usage charge, with the exception of the City of  
23 Hendersonville (water), Winston-Salem (water), and the Town of

1 Dallas (sewer), who have tier rates. The usage charge for the three  
2 suppliers listed above was calculated based on the average monthly  
3 usage for each individual service area. The average monthly usage  
4 was applied utilizing the tiered rates for the supplier. For suppliers who  
5 also charge a base charge, the base charge was included in the  
6 updated purchased water expenses and sewer treatment expenses.  
7 Should CWSNC apply for a pass-through outside a general rate case,  
8 the usage charge would reflect any increase in the base charge, and  
9 the usage charge would then be trued up in the next general rate case.

10 **Q. WHAT IS YOUR RECOMMENDATION CONCERNING CWSNC'S**  
11 **PROPOSED RATES?**

12 A. The Public Staff recommends a partial rate increase for Uniform Water  
13 and Uniform Sewer and a rate decrease for TC/BF/FH and BF/FH. I  
14 have included two recommended rate designs, one without the CAM  
15 and one with the CAM. My rate design without the CAM utilizes a 45/55  
16 ratio, base charge to usage charge, for water and 65/35 ratio for sewer,  
17 and my rate design with the CAM utilizes a 30/70 ratio for water and a  
18 55/45 ratio for sewer. My revenue calculations are shown on  
19 Casselberry Exhibit Nos. 17, 18, 19, 20, 21, 22, 23 and 24.

20 **Q. WHAT IS YOUR RECOMMENDATION IN REGARD TO UNIFORM**  
21 **SEWER RATES FOR CLMS?**

1 A. The rates for CLMS have remained the same for the last three general  
2 rate cases to allow the uniform sewer rates time to catch up with  
3 CLMS's sewer rates. It is the Public Staff's position that CLMS should  
4 be fully incorporated into the Uniform Sewer Rate Division and that the  
5 Public Staff's recommend rates for uniform sewer should apply to  
6 CLMS customers. Based on my recommend rates, the average  
7 monthly bill for residential customers in CLMS would increase from  
8 \$73.43 to \$73.50 without CAM and from \$73.43 to \$73.77 with CAM,  
9 based on an average usage of 3,228 gallons. The Company's present  
10 rates, proposed rates, and the Public Staff's recommended rates, with  
11 and without CAM, are shown on Casselberry Exhibit Nos. 25, 26 27  
12 and 28.

13 **Q. WHAT IS YOUR RECOMMENDATION IN REGARD TO THE**  
14 **INCREASE OF THE RECONNECTION FEE?**

15 A. CWSNC is proposing to increase the reconnection fee from \$27.00 to  
16 \$42.00. The Public Staff does not oppose the increase.

17 **Q. WHAT IS YOUR RECOMMENDATION IN REGARD TO INCREASE**  
18 **THE CONNECTION CHARGE (TAP FEE) FOR LONESOME**  
19 **VALLEY AND WINSTON POINTE?**

20 A. CWSNC has notified the Public Staff that it has withdrawn its request  
21 to increase the water and sewer connection charge (tap fee) for  
22 Lonesome Valley.

1 CWSNC is proposing to increase the water connection charge from  
2 \$500 to \$1,080 and the sewer connection charge from \$2,000 to  
3 \$2,635 for Winston Pointe Subdivision, Phase IA. In Docket No. W-  
4 354, Sub 160, dated October 15, 2002, the Commission approved a  
5 connection charge of \$500 for water and \$2,000 for sewer. However,  
6 it was stated in Paragraphs 8 and 9, that CWSNC planned to  
7 interconnect the water distribution system and the sewage collection  
8 system in Winston Pointe and White Oak Plantation to the Johnston  
9 County's water system and wastewater facility and purchase bulk  
10 water and sewer from Johnston County. The interconnection was  
11 made, and CWSNC is purchasing bulk water and sewer treatment from  
12 Johnston County. It is the Public Staff's position that the connection  
13 charge should reflect Johnston County's bulk capacity fee for water  
14 and sewer. Based on the current bulk water and wastewater service  
15 agreement with Johnston County, the bulk capacity fee for water is  
16 \$1,080 and \$1,400 for sewer. The Public Staff recommends a  
17 connection charge of \$1,080 for water and \$1,400 for sewer. CWSNC  
18 has indicated that they agree with the Public Staff's recommendation.

19 **Q. DOES THIS CONCLUDE YOUR TESTIMONY?**

20 **A.** Yes.



Carolina Water Service, Inc. of North Carolina  
Docket No. W-354, Sub 364  
For the 12 Months Ending March 31, 2019

Casselberry  
Exhibit No. 1  
Page 1 of 3

CWSNC Water

Service Area

---

Abington/InterLarken  
Bahia Bay  
Bear Paw  
Beechbrook  
Belvedere Plantation  
Bent Creek  
Brandywine Bay  
Buffalo Creek  
Chapel Hill  
College Park  
Country Club Annex  
Country Hills  
Crestview  
Crystal Mountain  
Lamplight/Danby/Wdsd Fall  
Eagle Crossing  
Eastgate  
Eastwood Forest  
Forest Brook/Ole lamp Place  
Grandview at T-Square  
Harbor House Estates  
Heathfield  
Hestron Park  
High Meadows  
Holly Acres  
Hounds Ear  
Huntington Forest  
Kings Grant  
Larkhaven  
Lemmond Acres  
Linville Ridge  
Mason Landing  
Meadow Glen  
Misty Mountain  
Monteray  
Mt Mitchell  
Nero

Carolina Water Service, Inc. of North Carolina  
Docket No. W-354, Sub 364  
For the 12 Months Ending March 31, 2019

Casselberry  
Exhibit No. 1  
Page 2 of 3

CWSNC Water

Service Area

---

Oakdale terrace  
Olde Point  
Pinnacle Shores  
Powder Horn Mountain  
Quail Ridge  
Queen's Harbor  
Red Bird  
Ridges at Mountain Harbor  
Riverwood  
Saddlewood  
Sherwood Forest  
Sherwood Park  
Ski Country  
Ski Mountain  
Stone Hollow  
Suburban Heights  
Sugar Mountain  
The Harbor/Point  
Watauga Vista  
Waterglyn  
Westwood Forest  
Wildlife Bay  
Wildwood green  
Willowbrook  
Wolf Laurel  
Wood Trace  
Woodhaven Manor

Service Area

---

Clear Water Systems  
Ashley Hills/Amber Acres  
Heather Glen  
Country Crossing  
Oaks Plantation  
Randsdell Forest  
Sandy Trails  
Stewarts Ridge

Carolina Water Service, Inc. of North Carolina  
Docket No. W-354, Sub 364  
For the 12 Months Ending March 31, 2019

Casselberry  
Exhibit No. 1  
Page 3 of 3

CWSNC Water

Service Area

---

Wilders Village  
Neuse Woods  
Tuckahoe  
Jordan Woods  
Hidden Hollow  
Lindsey Point

**New Under Uniform Rates**

Forest Hills  
Connestee Falls  
Fairfield Sapphire Valley  
Fairfield Mountain (a.k.a. Rumbling Bald)  
Elk River

**Purchased Water Systems**

Carolina Forest  
High Vista  
Riverpointe  
Whispering Pines  
White Oak Plantation  
Woodrun  
Yorktown  
Zemoso Acres  
Carolina Trace  
Riverbend

Service Area

---

Bradfield Farms  
Fairfield Harbor  
Treasure Cove  
Silverton



Carolina Water Service, Inc. of North Carolina  
Docket No. W-354, Sub 364  
For the 12 Months Ending March 31, 2019

Casselberry  
Exhibit No. 2  
Page 1 of 1

CWSNC Sewer

Service Area

Abington/Kynwood  
Ashley Hills  
Bear Paw  
Belvedere Plantation  
Bent Creek  
Brandywine Bay  
Carolina Pines  
Lamplight/Danby/Wdsd F  
Hestron Park  
Hounds Ear  
Hemby Acres/Beacon Hill  
Kings Grant - Raleigh  
Nero  
Olde Point  
Queen's Harbor  
Riverpointe  
Saddlewood  
Sugar Mountain  
Wolf Laurel  
Willowbrook  
Regalwood  
White Oak Estates  
White Oak High School  
Child Daycare

Purchased Sewer

College Park  
Kings Grant - Charlotte  
Mt Carmel  
White Oak Planation  
The Ridges at Mountain Harbor  
Fairfield Mountain

New Under Uniform Rates

Carolina Trace  
Connestee Falls  
Nags Head  
Sapphire Valley  
Elk River  
Corolla Light/Monteray Shores

Service Area

Bradfield Farms  
Fairfield Harbour  
Silverton





Availability Rates (Monthly):

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

Availability Rates (Monthly):

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

**SEWER UTILITY SERVICE UNDER UNIFORM RATES**

Monthly Metered Sewer Service:

Base Facility Charges			
	<u>Existing</u>	<u>Proposed</u>	
Residential (zero usage)	\$ 46.31	\$ 59.67	
Commercial (zero usage)			
<1" meter	\$ 46.31	\$ 59.67	
1" meter	\$ 115.78	\$ 149.18	
1-1/2" meter	\$ 231.55	\$ 298.35	
2" meter	\$ 370.48	\$ 477.36	
3" meter	\$ 694.65	\$ 895.05	
4" meter	\$1,157.75	\$1,491.75	
6" meter	\$2,315.50	\$2,983.50	
Usage charge, per 1,000 gallons	\$ 3.62	\$ 5.80	

Monthly Metered Purchased Sewer Service:

Collection charge (Residential and Commercial/SFE)	\$ 31.63	\$ 40.78
Usage charge, per 1,000 gallons based on purchased water		

<u>Service Area</u>	<u>Bulk Provider</u>	Existing	Proposed
White Oak Plantation/ Lee Forest/Winston Point	Johnston County	\$ 5.06	\$ 5.57
Kings Grant	Two Rivers Utilities	\$ 3.80	\$ 3.98
College Park	Town of Dallas	\$ 5.70	\$ 5.70

Monthly Flat Rate Sewer Service:

	\$ 57.82	\$ 79.46
--	----------	----------

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

MT. Carmel Subdivision Service Area:

Monthly Base Facility Charge	\$ 6.77	\$ 7.11
Monthly Collection Charge (Residential and commercial/SFE)	\$ 31.63	\$ 40.78
Usage Charge/1,000 gallons (Based on metered water usage)	\$ 5.88	\$ 6.16

Regalwood and White Oak Estates Subdivision Service Area:

Monthly Flat Rate Sewer Service:

	<u>Existing</u>	<u>Proposed</u>
Residential Service	\$ 57.82	\$ 79.46
White Oak High School	\$1,799.66	\$2,059.25

Monthly Flat Rate Sewer Service:

	<u>Existing</u>	<u>Proposed</u>
Child Castle Daycare	\$ 223.58	\$ 255.83
Pantry	\$ 119.49	\$ 136.73

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>
Residential		
Collection charge/dwelling unit	\$ 31.63	\$ 40.78
Treatment charge/dwelling unit	<u>\$ 69.50</u>	<u>\$ 69.50</u>
Total monthly flat rate/dwelling charge	\$ 101.13	\$ 110.28
Commercial and Other		
Minimum monthly collection and treatment charge	\$ 101.13	\$ 110.28
Monthly collection and treatment charge for Customers who do not take water service (per single family equivalent)	\$ 101.13	\$ 110.28
Treatment charge per dwelling unit		
Small (less than 2,500 gallons per month)	\$ 78.50	\$ 78.50
Medium (2,500 to 10,000 gallons per month)	\$ 139.50	\$ 139.50
Large (over 10,000 gallons per month)	\$ 219.50	\$ 219.50
Collection Charge (per 1,000 gallons)	\$ 13.93	\$ 13.93

The Ridges at Mountain Harbour:

Monthly Sewer Rates:

Collection charge (Residential and Commercial)	\$ 31.63	\$ 40.78
Treatment charge (Residential and Commercial)		
< 1" meter	\$ 18.42	\$ 18.42
2" meter	\$ 147.36	\$ 147.36

Availability Rates (Monthly):

Applicable only to property owners in Fairfield Sapphire Valley Service Area	\$ 8.30	\$ 8.30
--	---------	---------

Availability Rates (Monthly):

Applicable only to property owners in Connestee Falls	\$ 4.70	\$ 4.70
---	---------	---------

**CORROLA LIGHT AND MONTERAY SHORES SERVICE AREA**

Monthly Metered Sewer Service:

Base Facility Charges:

	<u>Existing</u>	<u>Proposed</u>
Residential (zero usage)	same as Commercial	\$ 59.67

Commercial (based on meter size with zero usage)		
	<u>Existing</u>	<u>Proposed</u>
<1" meter	\$ 52.06	\$ 59.67
1" meter	\$ 130.15	\$ 149.18
1-1/2" meter	\$ 260.31	\$ 298.35
2" meter	\$ 416.49	\$ 477.36
3" meter	\$ 780.92	\$ 895.05
4" meter	\$1,301.54	\$1,491.75
6" meter	\$2,603.07	\$2,983.50
Usage charge, per 1,000 gallons	\$ 6.62	\$ 5.80

**TREASURE COVE, REGISTER PLACE ESTATES, NORTH HILLS AND GLEN ARBOR/NORTH BEND  
SUBDIVISIONS, FAIRFIELD HARBOUR SERVICE AREA, BRADFIELD FARMS SUBDIVISION,  
LARKHAVEN SUBDIVISION, SILVERTON AND WOODLAND SUBDIVISIONS AND HAWTHORNE AT THE  
GREEN APARTMENTS**

Monthly Metered Water Service: (Residential and Commercial)

	<u>Existing</u>	<u>Proposed</u>
Base Facility Charges (based on meter size with zero usage)		
< 1" meter	\$ 16.74	\$ 18.67
1" meter	\$ 41.85	\$ 46.68
1-1/2" meter	\$ 83.70	\$ 93.35
2" meter	\$ 133.92	\$ 149.36
Usage Charge, per 1,000 gallons	\$ 3.75	\$ 4.45

Availability Rates (Monthly rate, billed semiannually):

Applicable only to property owners in Fairfield Harbour Service Area	\$ 3.28	\$ 3.28
--	---------	---------

Monthly Sewer Rates:

<u>Residential:</u>	<u>Existing</u>	<u>Proposed</u>
Flat Rate, per dwelling unit	\$ 50.46	\$55.66
Bulk Flat Rate, per REU	\$ 50.46	\$55.66

Commercial and other:

Monthly Flat Rate (Customers who do not take water service)	\$ 50.46	\$ 55.66
--	----------	----------

Monthly Metered Rates (based on meter size with zero usage)

	<u>Existing</u>	<u>Proposed</u>
<1" meter	\$ 44.58	\$ 49.17
1" meter	\$111.45	\$ 122.94
1-1/2" mete	\$222.90	\$ 245.87
2" meter	\$356.64	\$ 393.39
Usage charge, per 1,000 gallons	\$ 1.43	\$ 1.72

Bulk Sewer for Hawthorne at the Green Apartments

Bulk Flat Rate, per REU	\$ 50.46	\$ 55.66
-------------------------	----------	----------

Availability Rates (Monthly rate, billed semiannually):

Applicable only to property owners in Fairfield Harbour Service Area	\$ 2.65	\$ 2.65
--	---------	---------



Carolina Water Service, Inc. of North Carolina  
 Docket No. W-354, Sub 364  
 For the 12 Months Ending March 31, 2019

Casselberry  
 Exhibit No. 4  
 Page 1 of 4

Billing Analysis for End of Period Customers

CWSNC Water

Carolina F

Service Area	Total										Total				Total				Carolina F				
	5/8 R	3/4 R	1 R	1.5 R	2 R	3 R	4 R	6 R	Flat R	RES	5/8 C	1 C	1.5 C	2 C	3 C	4 C	6 C	Comm.	EOP	Woodrun availab	Linville availab	Conn F availab	Sapp V availab
Abington/InterLarken	599									599	1							1	600				
Bahia Bay	113									113								0	113				
Bear Paw	342	3								345	5	1						6	351				
Beechbrook	39									39								0	39				
Belvedere Plantation	1231		4							1235	3	2		7	4			16	1251				
Bent Creek	304									304	1							1	305				
Brandywine Bay	849		3	1	1					854	10	3						13	867				
Buffalo Creek	287									287								0	287				
Chapel Hill	95									95								0	95				
College Park	80									80								0	80				
Country Club Annex	23									23								0	23				
Country Hills	66									66								0	66				
Crestview	40									40								0	40				
Crystal Mountain	48									48								0	48				
Lamplight/Danby/Wdsd Fall	1292		3							1295	2	2	2	1				7	1302				
Eagle Crossing	77									77								0	77				
Eastgate	57									57	1							1	58				
Eastwood Forest	134									134	1							1	135				
Forest Brook/Ole lamp Place	83									83		1						1	84				
Grandview at T-Square	75									75	1							1	76				
Harbor House Estates	22									22								0	22				
Heathfield	64									64		1						1	65				
Hestron Park			1							1	1		2	7				10	11				
High Meadows	263									263	3			1				4	267				
Holly Acres	51									51		1						1	52				
Hounds Ear	424		6	1	1					432	8	2	0	3				13	445				
Huntington Forest	58									58								0	58				
Kings Grant	177			1						178	1							1	179				
Larkhaven	147	16								163								0	163				

Carolina Water Service, Inc. of North Carolina  
 Docket No. W-354, Sub 364  
 For the 12 Months Ending March 31, 2019

Casselberry  
 Exhibit No. 4  
 Page 2 of 4

Billing Analysis for End of Period Customers

CWSNC Water

Service Area	Total											5/8 C	1 C	1.5 C	2 C	3 C	4 C	6 C	Total Comm.	Total EOP	Woodrun availab	Linville availab	Conn F availab	Sapp V availab
	5/8 R	3/4 R	1 R	1.5 R	2 R	3 R	4 R	6 R	Flat R	RES	Flat R													
Lemmond Acres	33									33		1						1	34					
Meadow Glen	33									33								0	33					
Misty Mountain	143									143								0	143					
Monteray	27									27								0	27					
Mt Mitchell	204								16	220	1	1	2	1				5	225					
Nero	125									125								0	125					
Oakdale terrace	42									42								0	42					
Old Lamp Place	45	1								46								0	46					
Olde Point	195		3							198	1			1				2	200					
Pinnacle Shores	158									158	9							9	167					
Powder Horn Mountain	238									238	2	1						3	241					
Quail Ridge	172		2							174	1							1	175					
Queen's Harbor	114									114	2					1		3	117					
Red Bird	8									8								0	8					
Ridges at Mt Harbor									62	62	1			1				2	64					
Riverwood	192	1	1		1					195			1	0				1	196					
Saddlewood	127									127								0	127					
Sherwood Forest	249									249	6		1	1				8	257					
Sherwood Park	97									97			1					1	98					
Ski Country	66									66								0	66					
Ski Mountain	254									254								0	254					
Stone Hollow	223									223	1							1	224					
Suburban Heights	25									25								0	25					
Sugar Mountain	1363		6		16					1385	57		3	25				85	1470					
The Harbor/Point	1519		2	1						1522	15	3	1	3			2	24	1546					
Tanglewood estates	138									138				2				0	138					
Tanglewood south	79									79								0	79					
Vander	0									0	1			2				3	3					
Watauga Vista	140									140								0	140					

Carolina Water Service, Inc. of North Carolina  
 Docket No. W-354, Sub 364  
 For the 12 Months Ending March 21, 2019

Casselberry  
 Exhibit No. 4  
 Page 3 of 4

Billing Analysis for End of Period Customers

CWSNC Water

C. Forest

Service Area	Total										Total										C. Forest			
	5/8 R	3/4 R	1 R	1.5 R	2 R	3 R	4 R	6 R	Flat R	RES	5/8 C	1 C	1.5 C	2 C	3 C	4 C	6 C	Comm.	EOP	Woodrun availab	Linville availab	Conn F availab	Sapp V availab	
Waterglyn	43									43								0	43					
Westwood Forest	122									122								0	122					
Wildlife Bay	83									83	1							1	84					
Wildwood green	229									229	1							1	230					
Willowbrook	172									172		1						1	173					
Wolf Laurel	651									651	6	14		3				23	674					
Wood Trace	46									46								0	46					
Woodhaven Manor	79		1							80								0	80					
Mason Landing	14									14	1			1				2	16					
Linville Ridge		1	1						349	351	1	1		5	1			8	359		48			
<b>Uniform</b>	<b>14488</b>	<b>22</b>	<b>34</b>	<b>3</b>	<b>19</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>427</b>	<b>14993</b>	<b>146</b>	<b>34</b>	<b>13</b>	<b>64</b>	<b>5</b>	<b>1</b>	<b>2</b>	<b>265</b>	<b>15258</b>	<b>0</b>	<b>48</b>	<b>0</b>	<b>0</b>	
Clearwater	2088									2088	4							4	2092					
Forest Hills	118									118	1	2	3					6	124					
Connetsee Falls	1384	1								1385	17			3				20	1405			427		
Fairfield Sapphire Valley	1563	4	5	32	17					1621	39	3	6	8	1			57	1678				734	
Fairfield Mt/Apple Valley	1018	18	12							1048	45	4	4	4				57	1105					
Elk River	1	276	13							290	35	1		4				40	330					
<b>Total Uniform</b>	<b>20660</b>	<b>321</b>	<b>64</b>	<b>35</b>	<b>36</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>427</b>	<b>21543</b>	<b>287</b>	<b>44</b>	<b>26</b>	<b>83</b>	<b>6</b>	<b>1</b>	<b>2</b>	<b>449</b>	<b>21992</b>	<b>0</b>	<b>48</b>	<b>427</b>	<b>734</b>	
<b>Purchased Water Systems</b>																								
Carolina Trace	1610		1		1					1612	26	1	1	2				30	1642					
Carolina Forest	209		1							210	4	1	1					6	216	1354				
High Vista	234		1							235	3			1				4	239					
Riverpointe	190		2							192	5							5	197					
Whispering Pines	1578		15							1593	28	7	5	1		1		42	1635					
White Oak Plantation	590	1								591			1					1	592					
Woodrun	463		1							464	4	1						5	469					
Yorktown	106									106								0	106					
Zemosa Acres	243	1	3							247		1						1	248					

Carolina Water Service, Inc. of North Carolina  
 Docket No. W-354, Sub 364  
 For the 12 Months Ending March 31, 2019

Casselberry  
 Exhibit No. 4  
 Page 4 of 4

Billing Analysis for End of Period Customers

CWSNC Water

C. Forest

Service Area	Total										Total						Total							
	5/8 R	3/4 R	1 R	1.5 R	2 R	3 R	4 R	6 R	Flat R	RES	5/8 C	1 C	1.5 C	2 C	3 C	4 C	6 C	Comm.	EOP	Woodrun availab	Linville availab	Conn F availab	Sapp V availab	
Riverbend	141																							
<b>Grant Total</b>	<b>26024</b>	<b>323</b>	<b>88</b>	<b>35</b>	<b>37</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>427</b>	<b>26934</b>	<b>357</b>	<b>55</b>	<b>34</b>	<b>87</b>	<b>6</b>	<b>2</b>	<b>2</b>	<b>543</b>	<b>27477</b>	<b>1354</b>	<b>48</b>	<b>427</b>	<b>734</b>	

TC/BF/FH/Silverton

Service Area	Total										Total						FH						
	5/8 R	3/4 R	1 R	1.5 R	2 R	3 R	4 R	6 R	Flat R	RES	5/8 C	1 C	1.5 C	2 C	3 C	4 C	6 C	Comm.	EOP	availab	availab	availab	availab
Bradfield Farms	1019	94								1113	1	5						6	1119				
Fairfield Harbor	1728	3								1731	22	1	2	3				28	1759	969			
Treasure Cove	303	3	1		1					308								0	308				
Pace/Silverton	61									61								0	61				
<b>Total</b>	<b>3111</b>	<b>100</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3213</b>	<b>23</b>	<b>6</b>	<b>2</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>34</b>	<b>3247</b>	<b>969</b>			



Carolina Water Service, Inc. of North Carolina  
 Docket No. W-354, Sub 364  
 For the 12 Months Ending March 31, 2019

Casselberry  
 Exhibit No. 5  
 Page 1 of 3

Billing Analysis for End of Period Customers at Present Rates

CWSNC Sewer

Service Area	5/8 R	1 R	1.5 R	2 R	3 R	Flat R	Total		5/8 C	1 C	1.5 C	2 C	3 C	4 C	6 C	Multi		Total	Total	Avail	Avail
							Res.									Flat	Total				
Abington/kynwood	599					114	713		1								1	714			
Ashley Hills	1,183	2				26	1,211										0	1,211			
Bear Paw	68						68		3								3	71			
Belvedere Plantation	716	2					718		1		4	3				3	11	729			
Bent Creek	304						304										0	304			
Brandywine Bay	766	3		1		46	816		4							2	6	822			
Carolina Pines						338	338		1								1	339			
Lamplight/Danby/Wdsd F	1,289	3				7	1,299	327		1	2					4	334	1,633			
Hestron Park							-		1	0	2	7				1	11	11			
Hounds Ear	176	5					181		6	1		3					10	191			
Hemby Acres/Beacon Hill						674	674									8	8	682			
Kings Grant - Charlotte							-										0	-			
Kings Grant - Raleigh						120	120										0	120			
Nero	125						125										0	125			
Olde Point	117	3					120				1						1	121			
Queen's Harbor	114						114		1	9				1			11	125			
Riverpointe	190	1					191		1		4						5	196			
Saddlewood	18						18										0	18			
Sugar Mountain	1,100	1				137	1,238		40	4	2	21					67	1,305			
Wolf Laurel	56						56					2						2	58		
Willowbrook	172						172										0	172			
<b>Total</b>	<b>6,993</b>	<b>20</b>	<b>-</b>	<b>1</b>	<b>-</b>	<b>1,462</b>	<b>8,476</b>	<b>386</b>	<b>14</b>	<b>9</b>	<b>40</b>	<b>3</b>	<b>1</b>	<b>-</b>	<b>18</b>	<b>471</b>	<b>8,947</b>				
Carolina Trace	1577	1		1			1,579	16	1	1							18	1,597			
Connestee Falls	1001					5	1,006	7			1						8	1,014	218		
Nags Head						607	607	10	9	4	8			3	50	84	691				
Elk River	118	3					121	2	1		1					4	125				
Sapphire Valley (1)	658	2	0	0			660	21	4	51	6	1				83	743		87		
<b>Total</b>	<b>10,347</b>	<b>26</b>	<b>-</b>	<b>2</b>	<b>-</b>	<b>2,074</b>	<b>12,449</b>	<b>442</b>	<b>29</b>	<b>65</b>	<b>56</b>	<b>4</b>	<b>1</b>	<b>3</b>	<b>68</b>	<b>668</b>	<b>13,117</b>	<b>218</b>	<b>87</b>		

Carolina Water Service, Inc. of North Carolina  
 Docket No. W-354, Sub 364  
 For the 12 Months Ending March 31, 2019

Casselberry  
 Exhibit No. 5  
 Page 2 of 3

Billing Analysis for End of Period Customers at Present Rates

Service Area	5/8 R	1 R	1.5 R	2 R	3 R	Flat R	Total Res.	5/8 C	1 C	1.5 C	2 C	3 C	4 C	6 C	Multi	Total	Total	Avail	Avail
															Multi	Flat	Total	EOP	Conn
<b>Purchased Sewer</b>																			
White Oak Planation	499						499									0	499		
College Park	50					1	51									0	51		
Kings Grant Charlotte	177	1					178									0	178		
<b>Total</b>	<b>726</b>	<b>1</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>1</b>	<b>728</b>								<b>0</b>	<b>728</b>			

Service Area	1 R	1.5 R	2 R	3 R	Flat R	Res.	5/8 C	1 C	1.5 C	2 C	3 C	4 C	6 C	Comm	Comm	EOP
Mt Carmel	392					392									0	392
Fairfield Mountain (2,3)	405	12				417									0	417
The Ridges						-	1			1				46	48	48
Regalwood/white oak					1041	1,041									0	1,041
White Oak Estates					0	-									0	-
White oak High School					1	1									0	1
Child Daycare					1	1									0	1
CL/MS	782	87	0	0	0	869	67	19	2	2	1			91	960	

Note

1 Sapphire valley

1.5" Residential - Reclassified 32 multi-metered residential customers to 1.5" commercial customers

2" Residential - Reclassified 17 multi-metered residential customers to 1.5" commercial customers

Based on bills (48) 1.5 inch meter, (1) 1 inch meter and (4) 5/8 inch meter 1.5 inch meter 3 + 48 = 51, 1 inch meter 3 + 1 = 4 and 5/8 inch meter 17 + 4 = 21

2 Fairfield Mountain residential customers are flat rate

3 Fairfield Mountain treatment for commercial customers : ww only flat 2, small 4, medium 18, large 1

Carolina Water Service, Inc. of North Carolina  
 Docket No. W-354, Sub 364  
 For the 12 Months Ending March 31, 2019

Casselberry  
 Exhibit No. 5  
 Page 3 of 3

Billing Analysis for End of Period Customers at Present Rates

BF/FH/Silverton

Service Area	1 R	1.5 R	2 R	3 R	Flat	Bulk	Total									Total Comm	Total EOP	Avail Harb
							Res.	5/8 C	1 C	1.5 C	2 C	3 C	4 C	6 C				
Bradfield Farms	1112						1,112		2							2	1,114	
Lakehaven					165		165									0	165	
Hawthorne at the Green						169	169									0	169	
Beaver Farms						5	5									0	5	
Woodland						151	151									0	151	
Fairfield Harbour	1716						1,716	16		2	1					19	1,735	969
Pace/Silverton						61	61									0	61	
<b>Total</b>	<b>2828</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>165</b>	<b>386</b>	<b>3,379</b>	<b>16</b>	<b>2</b>	<b>2</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>21</b>	<b>3,400</b>	<b>928</b>	



Carolina Water Service, Inc. of North Carolina  
 Docket No. W-354, Sub 364  
 For the 12 Months Ending March 31, 2019

Casselberry  
 Exhibit No. 6  
 Page 1 of 3

Billing Analysis for Consumption

CWSNC Water

Service Area	5/8 R	3/4 R	1 R	1.5 R	2 R	Total Residential								TOTAL COMMERCIAL	Grand Total
						5/8 C	1 C	1.5 C	2 C	3 C	4 C	6 C			
Abington/InterLarken	29,020,099	-	-	-	-	29,020,099	412,340	-	-	-	-	-	-	412,340	29,432,439
Bahia Bay	4,793,770					4,793,770								-	4,793,770
Bear Paw	5,210,590	42,850				5,253,440	204,520	241,960						446,480	5,699,920
Beechbrook	1,402,660					1,402,660								-	1,402,660
Belvedere Plantation	60,559,214		216,430			60,775,644	22,830	108,090		2,705,814	5,826,197			8,662,931	69,438,575
Bent Creek	11,695,873					11,695,873	4,413							4,413	11,700,286
Brandywine Bay	32,146,699		94,030	172,300	150,900	32,563,929	239,540	396,540	107,200					743,280	33,307,209
Buffalo Creek	12,054,810					12,054,810								-	12,054,810
Chapel Hill	3,288,006					3,288,006								-	3,288,006
College Park	3,885,901					3,885,901								-	3,885,901
Country Club Annex	1,081,008					1,081,008								-	1,081,008
Country Hills	4,022,699					4,022,699								-	4,022,699
Crestview	1,170,979					1,170,979								-	1,170,979
Crystal Mountain	767,061					767,061								-	767,061
Lampight/Danby/Wdsd Fall	63,730,868		146,130			63,876,998	94,090	112,350	409,000	51,700				667,140	64,544,138
Eagle Crossing	3,680,135					3,680,135								-	3,680,135
East gate	2,361,190					2,361,190	10,740							10,740	2,371,930
Eastwood Forest	5,923,131					5,923,131	19,730							19,730	5,942,861
Forest Brook/Ole lamp Place	4,377,915					4,377,915		134,600						134,600	4,512,515
Grandview at T-Square	3,688,424					3,688,424	39,698							39,698	3,728,122
Harbor House Estates	1,094,270					1,094,270								-	1,094,270
Heathfield	6,755,030					6,755,030		298,330						298,330	7,053,360
Hestron Park	-		497,490			497,490	35,930		679,700	3,281,267				3,996,897	4,494,387
High Meadows	5,427,682					5,427,682	405,310			201,277				606,587	6,034,269
Holly Acres	2,594,250					2,594,250		683,700						683,700	3,277,950
Hounds Ear	9,409,835		37,601	195,800	74,700	9,717,936	303,001	864,129		455,103				1,622,233	11,340,169
Huntington Forest	2,264,498					2,264,498								-	2,264,498
Kings Grant	8,157,700		191,540			8,349,240	36,490							36,490	8,385,730
Larkhaven	7,927,540	867,430				8,794,970								-	8,794,970
Lemmond Acres	1,888,920					1,888,920	95,390							95,390	1,984,310
Linville Ridge	12,817	16,096	16,029			44,942	10	913,926		2,612,071	40,725			3,566,732	3,611,674
Mason Landing	787,490					787,490	176,534			222,100				398,634	1,186,124
Meadow Glen	1,869,000					1,869,000								-	1,869,000
Misty Mountain	2,346,217					2,346,217								-	2,346,217
Monteray	1,306,720					1,306,720								-	1,306,720
Mt Mitchell	4,501,490					4,501,490	32,781	99,962	153,539	746				287,028	4,788,518
Nero	5,733,951					5,733,951								-	5,733,951
Oakdale terrace	1,562,010					1,562,010								-	1,562,010
OLD lamp Place	2,065,080	11,210				2,076,290								-	2,076,290
Olde Point	7,943,499		61,950			8,005,449	49,900			738,800				788,700	8,794,149
Pinnacle Shores	10,598,339					10,598,339	1,100,870							1,100,870	11,699,209

Carolina Water Service, Inc. of North Carolina  
 Docket No. W-354, Sub 364  
 For the 12 Months Ending March 31, 2019

Casselberry  
 Exhibit No. 6  
 Page 2 of 3

Billing Analysis for Consumption

CWSNC Water

Service Area	5/8 R	3/4 R	1 R	1.5 R	2 R	Total Residential	5/8 C	1 C	1.5 C	2 C	3 C	4 C	6 C	TOTAL COMMERCIAL	Grand Total
Powder Horn Mountain	4,037,086					4,037,086	765	226,751						227,516	4,264,602
Quail Ridge	7,669,755		70,950			7,740,705	190,620							190,620	7,931,325
Queen's Harbor	4,218,360					4,218,360	61,890					935,270		997,160	5,215,520
Red Bird	193,089					193,089								-	193,089
Ridges at Mountain Harbour						-	258,840			218,600				477,440	477,440
Riverwood	10,475,580	370,000	109,270		38,100	10,992,950			37,630					37,630	11,030,580
Saddlewood	5,769,819					5,769,819								-	5,769,819
Sherwood Forest	6,606,788					6,606,788	135,740		298,380	562,555				996,675	7,603,463
Sherwood Park	5,599,113					5,599,113			286,400					286,400	5,885,513
Ski country	731,962					731,962								-	731,962
Ski Mountain	6,496,825					6,496,825								-	6,496,825
Stone Hollow	10,462,800					10,462,800	560							560	10,463,360
Suburban Heights	1,146,840					1,146,840								-	1,146,840
Sugar Mountain	21,449,746		391,772		3,794,149	25,635,667	2,492,534		1,265,980	5,432,567				9,191,081	34,826,748
Tanglewood Estates	5,744,017					5,744,017				1,398,300				1,398,300	7,142,317
Tanglewood South	3,329,100					3,329,100								-	3,329,100
The Harbor	193,121,805		81,730	100,500		193,304,035	837,480	638,160	759,400	888,730			3,899,200	7,022,970	200,327,005
Vander						-								-	-
Watauga Vista	3,761,003					3,761,003								-	3,761,003
Waterglyn	1,806,550					1,806,550								-	1,806,550
Westwood Forest	5,121,746					5,121,746								-	5,121,746
Wildlife Bay	4,536,897					4,536,897	11,530							11,530	4,548,427
Wildwood green	10,454,336					10,454,336	44,490							44,490	10,498,826
Willowbrook	5,524,699					5,524,699		138,190						138,190	5,662,889
Wolf Laurel	14,703,790					14,703,790	374,344	310,528		372,374				1,057,246	15,761,036
Wood Trace	2,174,680					2,174,680								-	2,174,680
Woodhaven Manor	3,145,833		41,080			3,186,913								-	3,186,913
<b>Total</b>	<b>677,389,589</b>	<b>1,307,586</b>	<b>1,956,002</b>	<b>468,600</b>	<b>4,057,849</b>	<b>685,179,626</b>	<b>7,692,910</b>	<b>5,167,216</b>	<b>3,997,229</b>	<b>19,142,004</b>	<b>5,866,922</b>	<b>935,270</b>	<b>3,899,200</b>	<b>46,700,751</b>	<b>731,880,377</b>
Clearwater	101,463,942					101,463,942	1,990							1,990	101,465,932
Forest Hill	4,699,180					4,699,180	214,200	68,830	1,407,580					1,690,610	6,389,790
Connestee Falls	35,937,043	301,000				36,238,043	257,000			1,399,833				1,656,833	37,894,876
Sapphire Valley	36,690,321	39,620	405,053	4,204,519	1,861,391	43,200,904	1,751,738	796,924	1,773,585	1,414,371	1,329,527			7,066,145	50,267,049
Fairfield Mountain	26,694,304	331,090	1,431,750			28,457,144	2,528,230	1,308,370	526,260	877,910				5,240,770	33,697,914
Elk River	34,719	8,000,817	994,519			9,030,055	507,673	507,577		690,021				1,705,271	10,735,326
<b>Total Uniform</b>	<b>882,909,098</b>	<b>9,980,113</b>	<b>4,787,324</b>	<b>4,673,119</b>	<b>5,919,240</b>	<b>908,268,894</b>	<b>12,953,741</b>	<b>7,848,917</b>	<b>7,704,654</b>	<b>23,524,139</b>	<b>7,196,449</b>	<b>935,270</b>	<b>3,899,200</b>	<b>64,062,370</b>	<b>972,331,264</b>
irrigation						(497,490)									
						907,771,404									
<b>Purchased Water</b>															
Carolina Trace	61,635,224		96,220		10,000	61,741,444	1,667,530	60,850	570,000	1,861,400				4,159,780	65,901,224
Carolina Forest	6,466,328		9,490			6,475,818	15,679	81,625	87,000					184,304	6,660,122
High Vista	10,611,338		69,420			10,680,758	343,860			295,900				639,760	11,320,518

Carolina Water Service, Inc. of North Carolina  
 Docket No. W-354, Sub 364  
 For the 12 Months Ending March 31, 2019

Casselberry  
 Exhibit No. 6  
 Page 3 of 3

Billing Analysis for Consumption

Uniform Water

Riverpointe	14,072,170		117,690			14,189,860	711,550							711,550	14,901,410
Riverbend	5,872,416					5,872,416								-	5,872,416
Whispering Pines	88,137,041		1,322,684			89,459,725	1,093,600	2,480,250	578,400	438,500		520		4,591,270	94,050,995
White Oak Plantation	26,041,717	47,580				26,089,297			193,800					193,800	26,283,097
Woodrun	17,842,290		18,980			17,861,270	82,301	341,180						423,481	18,284,751
Yorktown	3,544,045					3,544,045								-	3,544,045
Zemosa Acres	11,502,007	36,113	87,915			11,626,035		102,700						102,700	11,728,735

TC/BF/FH/Silverton Water

Service Area	5/8 R	3/4 R	1 R	1.5 R	2 R	Residential	5/8 C	1 C	1.5 C	2 C	3 C	4 C	6 C	COMMERCIAL	Total
Bradfield Farms	60,187,707	6,124,375	-			66,312,082	164,470	206,236						370,706	66,682,788
Fairfield Harbor	71,686,604	91,650	77,330			71,855,584	1,120,320	51,440	374,574	163,407				1,709,741	73,565,325
Treasure Cove	17,011,133	40,880	51,600		109,100	17,212,713								-	17,212,713
Silverton	3,814,660					3,814,660								-	3,814,660
Total	152,700,104	6,256,905	128,930	-	109,100	159,195,039	1,284,790	257,676	374,574	163,407	-	-	-	2,080,447	161,275,486



Carolina Water Service, Inc. of North Carolina  
Docket No. W-354, Sub 364  
For the 12 Months Ending March 31, 2019

Casselberry  
Exhibit No. 7  
Page 1 of 2

Billing Analysis for Consumption

CWSNC Sewer

Service Area	5/8 R	1 R	1.5R	2 R	Total Residential								Total Commercial	Grand Total
					5/8 C	1 C	1.5 C	2 C	3 C	4 C	6C			
Abington/Kynwood	29,020,099	-		-	29,020,099	412,340	-	-	-	-	-	-	412,340	29,432,439
Ashley Hills	56,146,184				56,146,184								-	56,146,184
Bear Paw	715,520				715,520	26,200							26,200	741,720
Belvedere Plantation	31,576,826	204,020			31,780,846	6,470			1,939,714	5,327,607			7,273,791	39,054,637
Bent Creek	11,695,873				11,695,873								-	11,695,873
Brandywine Bay	27,936,734	94,030		150,900	28,181,664	79,860							79,860	28,261,524
Carolina Pines	-				-	153,933							153,933	153,933
Lamplight/Danby/Wdsd Falls	63,677,848	146,130			63,823,978	19,185,090		409,000	1,097,600				20,691,690	84,515,668
Hestron Park	-				-	35,930		679,700	3,281,267				3,996,897	3,996,897
Hounds Ear	3,650,938	27,419			3,678,357	266,560	59		455,103				721,722	4,400,079
Independ/Hemby Acres/Beacon	-				-								-	-
Kings Grant - Raleigh	-				-								-	-
Mt. Carmel/Lees Ridge					-								-	-
Nero	5,733,951				5,733,951								-	5,733,951
Olde Point	3,631,619	61,950			3,693,569				738,800				738,800	4,432,369
Queen's Harbor	4,218,360				4,218,360	58,540	2,932,880				935,270		3,926,690	8,145,050
Ridges at Mountain harbour					-	258,840			218,600				477,440	477,440
Riverpointe	14,072,170	37,370			14,109,540	93,850		1,124,350					1,218,200	15,327,740
Saddlewood	781,090				781,090								-	781,090
Sugar Mountain	15,344,538	71,800			15,416,338	1,560,139	291,172	1,256,300	7,962,509				11,070,120	26,486,458
Willowbrook	5,524,699				5,524,699								-	5,524,699
Wolf Laurel	903,540				903,540				358,604				358,604	1,262,144
Regalwood	-				-								-	-
White Oak Estates	-				-								-	-
White oak High School	-				-								-	-
Child Daycare	-				-								-	-
<b>Uniform</b>	<b>274,629,989</b>	<b>642,719</b>	<b>-</b>	<b>150,900</b>	<b>275,423,608</b>	<b>22,137,752</b>	<b>3,224,111</b>	<b>3,469,350</b>	<b>16,052,197</b>	<b>5,327,607</b>	<b>935,270</b>	<b>-</b>	<b>51,146,287</b>	<b>326,569,895</b>

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

Casselberry  
 Exhibit No. 7  
 Page 2 of 2

Billing Analysis for Consumption

CWSNC Sewer

Service Area	5/8 R	1 R	Total									Total Commercial	Grand Total		
			2 R	Residential	5/8 C	1 C	1.5 C	2 C	3 C	4C	6C				
Carolina Trace	60,563,734	96,220		10,000	60,669,954	1,351,720	60,850	570,000						1,982,570	62,652,524
Connestee Falls	25,471,386				25,471,386	136,000			1,172,056					1,308,056	26,779,442
Nags Head					-	956,600	2,932,880	1,124,350	3,542,700			5,037,998		13,594,528	13,594,528
Elk River	2,018,573	54,403			2,072,976	73,890	507,577		468,607					1,050,074	3,123,050
Sapphire Valley	13,334,157	316,043	4,204,519	1,861,391	19,716,110	1,379,780	796,924	1,272,064	1,350,287	1,329,527				6,128,582	25,844,692
<b>Total Uniform</b>	<b>376,017,839</b>	<b>1,109,385</b>	<b>4,204,519</b>	<b>2,022,291</b>	<b>383,354,034</b>	<b>26,035,742</b>	<b>7,522,342</b>	<b>6,435,764</b>	<b>22,585,847</b>	<b>6,657,134</b>	<b>935,270</b>	<b>5,037,998</b>		<b>75,210,097</b>	<b>458,564,131</b>
<b>Purchased Sewer</b>															
White Oak Plantation	21,287,437				21,287,437									-	21,287,437
College Park	2,380,496				2,380,496									-	2,380,496
Kings Grant	8,157,700	191,540			8,349,240									-	8,349,240
Mt Carmel	12,373,183				12,373,183										
CL/MS	42,481,350	9,724,907			52,206,257	6,202,979	3,105,710	680,757	501,007	68,000				10,558,453	62,764,710
Fairfield Mountain Comm															
LG	159,880														
MED	2,575,390														
SM	210,600														

BF/FH/Silverton Sewer

Service Area	5/8 R	1 R	1.5R	2 R	Total							Total Commercial	Grand Total		
					Residential	5/8 C	1 C	1.5 C	2 C	3 C	4 C			6C	
Bradfield Farms					-		170,286							170,286	170,286
Fairfield Harbour		-			-	952,000		374,574	7					1,326,581	1,326,581
<b>Total</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>952,000</b>	<b>170,286</b>	<b>374,574</b>	<b>7</b>	<b>-</b>	<b>-</b>	<b>-</b>		<b>1,496,867</b>	<b>1,496,867</b>



Public Staff's Revenue at Present Rates

CWSNC Water

Billing Type	Usage	Usage Rate	Usage Revenue	EOP Customers	EOP x 12 months	Base Charge	Base Charge Revenue	Total Revenue
<b>New Metered Residential (1)</b>								
5/8" Residential Metered (2)	1,428,480	7.08	10,114	62	744	27.53	20,482	30,596
5/8" Residential Metered (3)	8,040,960	7.08	56,930	349	4,188	27.53	115,296	172,226
<b>Total New Metered Resid.</b>	9,469,440		67,044	411	4,932		135,778	202,822
<b>Flat Residential</b>	-		-	16	192	53.58	10,287	10,287
<b>Metered Residential</b>								
5/8" Residential Metered	882,909,098	7.08	6,250,996	20,660	247,920	27.53	6,825,238	13,076,234
3/4" Residential Metered	9,980,113	7.08	70,659	321	3,852	27.53	106,046	176,705
1" Residential Metered	4,787,324	7.08	33,894	64	768	68.83	52,858	86,752
1.5" Residential Metered	4,673,119	7.08	33,086	35	420	137.65	57,813	90,899
2" Residential Metered	5,919,240	7.08	41,908	36	432	220.24	95,144	137,052
Irrigation	(497,490)	7.08	(3,522)	-	-	-	-	(3,522)
<b>Total Residential Metered</b>	907,771,404		6,427,022	21,116	253,392		7,137,097	13,564,119
<b>Metered Commercial</b>								
5/8" Commercial Metered	12,953,741	7.08	91,712	287	3,444	27.53	94,813	186,526
1" Commercial Metered	7,848,917	7.08	55,570	44	528	68.83	36,340	91,910
1.5" Commercial Metered	7,704,654	7.08	54,549	26	312	137.65	42,947	97,496
2" Commercial Metered	23,524,139	7.08	166,551	83	996	220.24	219,359	385,910
3" Commercial Metered	7,196,449	7.08	50,951	6	72	412.95	29,732	80,683

Carolina Water Service, Inc. of North Carolina  
 Docket No. W-354, Sub 364  
 For the 12 Months Ending March 31, 2019

Casselberry  
 Exhibit No. 8  
 Page 2 of 7

Public Staff's Revenue at Present Rates

CWSNC Water

Billing Type	Usage Usage	Usage Rate	Usage Revenue	EOP Customers	EOP x 12 months	Base Charge	Base Charge Revenue	Total Revenue
4" Commercial Metered	935,270	7.08	6,622	1	12	688.25	8,259	14,881
6" Commercial Metered	3,899,200	7.08	27,606	2	24	1,376.50	33,036	60,642
<b>Total Commercial Metered</b>	64,062,370		453,562	449	5,388		464,486	918,048
<b>Irrigation</b>	497,490	4.11	2,045	-	-	-	-	2,045
<b>Availability</b>								
Linville Ridge (monthly)	-		-	48	576	12.35	7,114	7,114
Sapphire Valley (monthly)				734	8,808	9.10	80,153	80,153
Connetsee (monthly)				427	5,124	4.80	24,595	24,595
<b>Total Uniform</b>	981,800,704		6,949,671	23,201	278,412		7,859,511	14,809,182

Purchased water

Carolina Trace

Billing Type	Usage Usage	Usage Rate	Usage Revenue	EOP Customers	EOP x 12 months	Base Charge	Base Charge Revenue	Total Revenue
5/8" Residential Metered	61,635,224	2.21	136,214	1,610	19,320	27.53	531,880	668,093
1" Residential Metered	96,220	2.21	213	1	12	68.83	826	1,039
2" Residential Metered	10,000	2.21	22	1	12	220.24	2,643	2,665
<b>Total</b>	61,741,444		136,449	1,612		317	535,348	671,797

Carolina Water Service, Inc. of North Carolina  
 Docket No. W-354, Sub 364  
 For the 12 Months Ending March 31, 2019

Casselberry  
 Exhibit No. 8  
 Page 3 of 7

Public Staff's Revenue at Present Rates

**Purchased water**

**Carolina Trace**

Billing Type	Usage	Usage Rate	Usage Revenue	EOP Customers	EOP x 12 months	Base Charge	Base Charge Revenue	Total Revenue
5/8" Commercial Metered	1,667,530	2.21	3,685	26	312	27.53	8,589	12,275
1" Commercial Metered	60,850	2.21	134	1	12	68.83	826	960
1.5" Commercial Metered	570,000	2.21	1,260	1	12	137.65	1,652	2,912
2" Commercial Metered	1,861,400	2.21	4,114	2	24	220.24	5,286	9,399
<b>Total</b>	<b>4,159,780</b>		<b>9,193</b>	<b>30</b>	<b>360</b>		<b>16,353</b>	<b>25,546</b>
<b>Total</b>	<b>65,901,224</b>		<b>145,642</b>	<b>1,642</b>	<b>360</b>		<b>551,701</b>	<b>697,343</b>

**Carolina Forest**

Billing Type	Usage	Usage Rate	Usage Revenue	EOP Customers	EOP x 12 months	Base Charge	Base Charge Revenue	Total Revenue
5/8" Residential Metered	6,466,328	3.19	20,628	209	2,508	27.53	69,045	89,673
1" Residential Metered	9,490	3.19	30	1	12	68.83	826	856
<b>Total</b>	<b>6,475,818</b>		<b>20,658</b>	<b>210</b>	<b>2,520</b>		<b>69,871</b>	<b>90,529</b>
5/8" Commercial Metered	15,679	3.19	50	4	48	27.53	1,321	1,371
1" Commercial Metered	81,625	3.19	260	1	12	68.83	826	1,086
1.5" Commercial Metered	87,000	3.19	278	1	12	137.65	1,652	1,929
<b>Total</b>	<b>184,304</b>		<b>588</b>	<b>6</b>	<b>72</b>		<b>3,799</b>	<b>4,387</b>
Availability bi-annual			-	1,354	2,708	24.65	66,752	66,752
<b>Total</b>	<b>6,660,122</b>		<b>21,246</b>	<b>1,570</b>	<b>5,300</b>		<b>140,422</b>	<b>161,668</b>

Carolina Water Service, Inc. of North Carolina  
Docket No. W-354, Sub 364  
For the 12 Months Ending March 31, 2019

Casselberry  
Exhibit No. 8  
Page 4 of 7

Public Staff's Revenue at Present Rates

**High Vista Estates**

Billing Type	Usage	Usage Rate	Usage Revenue	EOP Customers	EOP x 12 months	Base Charge	Base Charge Revenue	Total Revenue
5/8" Residential Metered	10,611,338	3.25	34,487	234	2,808	27.53	77,304	111,791
1" Residential Metered	69,420	3.25	226	1	12	68.83	826	1,052
<b>Total</b>	10,680,758		34,712	235	2,820		78,130	112,843
5/8" Commercial Metered	343,860	3.25	1,118	3	36	27.53	991	2,109
2" Commercial Metered	295,900	3.25	962	1	12	220.24	2,643	3,605
<b>Total</b>	639,760		2,079	4	48		3,634	5,713
<b>Total</b>	11,320,518		36,792	239	2,868		81,764	118,556

**Riverpointe**

Billing Type	Usage	Usage Rate	Usage Revenue	EOP Customers	EOP x 12 months	Base Charge	Base Charge Revenue	Total Revenue
5/8" Residential Metered	14,072,170	6.30	88,655	190	2,280	27.53	62,768	151,423
1" Residential Metered	117,690	6.30	741	2	24	68.83	1,652	2,393
<b>Total</b>	14,189,860		89,396	192	2,304		64,420	153,816
5/8" Commercial Metered	711,550	6.30	4,483	5	60	27.53	1,652	6,135
<b>Total</b>	14,901,410		93,879	197	2,364		66,072	159,951

Public Staff's Revenue at Present Rates

**Whispering Pines**

Billing Type	Usage	Usage Rate	Usage Revenue	EOP Customers	EOP x 12 months	Base Charge	Base Charge Revenue	Total Revenue
5/8" Residential Metered	88,137,041	2.23	196,546	1,578	18,936	27.53	521,308	717,854
1" Residential Metered	1,322,684	2.23	2,950	15	180	68.83	12,389	15,338
<b>Total</b>	<b>89,459,725</b>		<b>199,495</b>	<b>1,593</b>	<b>19,116</b>		<b>533,697</b>	<b>733,192</b>
5/8" Commercial Metered	1,093,600	2.23	2,439	28	336	27.53	9,250	11,689
1" Commercial Metered	2,480,250	2.23	5,531	7	84	68.83	5,781	11,312
1.5" Commercial Metered	578,400	2.23	1,290	5	60	137.65	8,259	9,549
2" Commercial Metered	438,500	2.23	978	1	12	220.24	2,643	3,621
4" Commercial Metered	520	2.23	1	1	12	688.25	8,259	8,260
<b>Total</b>	<b>4,591,270</b>		<b>10,239</b>	<b>42</b>	<b>504</b>		<b>34,192</b>	<b>44,431</b>
<b>Total</b>	<b>94,050,995</b>		<b>209,734</b>	<b>1,635</b>	<b>19,620</b>		<b>567,889</b>	<b>777,623</b>

**White Oak Planation/Lee Forest/Winston Planation/Winston Point**

Billing Type	Usage	Usage Rate	Usage Revenue	EOP Customers	EOP x 12 months	Base Charge	Base Charge Revenue	Total Revenue
5/8" Residential Metered	26,041,717	2.40	62,500	590	7,080	27.53	194,912	257,413
3/4" Residential Metered	47,580	2.40	114	1	12	27.53	330	445
<b>Total</b>	<b>26,089,297</b>		<b>62,614</b>	<b>591</b>	<b>7,092</b>		<b>195,243</b>	<b>257,857</b>

Public Staff's Revenue at Present Rates

**White Oak Planation/Lee  
Forest/Winston  
Planation/Winston Point**

Billing Type	Usage	Usage Rate	Usage Revenue	EOP Customers	EOP x 12 months	Base Charge	Base Charge Revenue	Total Revenue
1.5" Commercial Metered	193,800	2.40	465	1	12	137.65	1,652	2,117
<b>Total</b>	<b>26,283,097</b>		<b>63,079</b>	<b>592</b>	<b>7,104</b>		<b>196,895</b>	<b>259,974</b>

**Yorktown**

Billing Type	Usage	Usage Rate	Usage Revenue	EOP Customers	EOP x 12 months	Base Charge	Base Charge Revenue	Total Revenue
<b>5/8" Residential Metered</b>	<b>3,544,045</b>	<b>5.01</b>	<b>17,756</b>	<b>106</b>	<b>1,272</b>	<b>27.53</b>	<b>35,018</b>	<b>52,774</b>

**Woodrun**

Billing Type	Usage	Usage Rate	Usage Revenue	EOP Customers	EOP x 12 months	Base Charge	Base Charge Revenue	Total Revenue
5/8" Residential Metered	17,842,290	3.19	56,917	463	5,556	27.53	152,957	209,874
1" Residential Metered	18,980	3.19	61	1	12	68.83	826	886
<b>Total</b>	<b>17,861,270</b>		<b>56,977</b>	<b>464</b>	<b>5,568</b>		<b>153,783</b>	<b>210,760</b>
5/8" Commercial Metered	82,301	3.19	263	4	48	27.53	1,321	1,584
1" Commercial Metered	341,180	3.19	1,088	1	12	68.83	826	1,914
<b>Total</b>	<b>423,481</b>		<b>1,351</b>	<b>5</b>	<b>60</b>		<b>2,147</b>	<b>3,498</b>
<b>Total</b>	<b>18,284,751</b>		<b>58,328</b>	<b>469</b>	<b>5,628</b>		<b>155,930</b>	<b>214,258</b>

Carolina Water Service, Inc. of North Carolina  
 Docket No. W-354, Sub 364  
 For the 12 Months Ending March 31, 2019

Casselberry  
 Exhibit No. 8  
 Page 7 of 7

Public Staff's Revenue at Present Rates

**Zemosa Acres**

Billing Type	Usage	Usage Rate	Usage Revenue	EOP Customers	EOP x 12 months	Base Charge	Base Charge Revenue	Total Revenue
5/8" Residential Metered	11,502,007	5.27	60,616	243	2,916	27.53	80,277	140,893
3/4" Residential Metered	36,113	5.27	190	1	12	27.53	330	521
1" Residential Metered	87,915	5.27	463	3	36	68.83	2,478	2,941
<b>Total</b>	<b>11,626,035</b>		<b>61,269</b>	<b>247</b>	<b>2,964</b>		<b>83,086</b>	<b>144,355</b>
1" Commercial Metered	102,700	5.27	541	1	12	68.83	826	1,367
<b>Total</b>	<b>11,728,735</b>		<b>61,810</b>	<b>248</b>	<b>2,976</b>		<b>83,911</b>	<b>145,722</b>

**Riverbend**

Billing Type	Usage	Usage Rate	Usage Revenue	EOP Customers	EOP x 12 months	Base Charge	Base Charge Revenue	Total Revenue
<b>5/8" Residential Metered</b>	<b>5,872,416</b>	<b>7.20</b>	<b>42,281</b>	<b>141</b>	<b>1,692</b>	<b>27.53</b>	<b>46,581</b>	<b>88,862</b>
<b>TOTAL</b>	<b>1,240,348,017</b>		<b>7,700,219</b>	<b>30,040</b>	<b>327,596</b>		<b>9,785,694</b>	<b>17,485,912</b>

Notes

- 1 Estimated consumption 1,920 gallons per EOP customer per month
- 2 The Ridges at Mountain Harbour
- 3 Linville Ridge
- 4 Availability customers in Woodrun included with Carolina Forest availability customers



Carolina Water Service, Inc. of North Carolina  
Docket No. W-354, Sub 364  
For the 12 Months Ending March 31, 2019

Casselberry  
Exhibit No. 9  
Page 1 of 4

Public Staff's Revenue at Present Rates

CWSNC Sewer

Billing Type	Usage	Usage Rate	Usage Revenue	EOP Customers	EOP x 12 months	Base Charge	Base Charge Revenue	Total Revenue
Residential Flat, Sewer		-	-	2,074	24,888	57.82	1,439,024	1,439,024
5/8" Res Metered	376,017,839	3.62	1,361,185	10,347	124,164	46.31	5,750,035	7,111,219
1" Res Metered	1,109,385	3.62	4,016	26	312	46.31	14,449	18,465
1.5" Res Metered	4,204,519	3.62	15,220	-	-	46.31	-	15,220
2" Res Metered	2,022,291	3.62	7,321	2	24	46.31	1,111	8,432
<b>Total</b>	<b>383,354,034</b>		<b>1,387,742</b>	<b>10,375</b>	<b>124,500</b>		<b>5,765,595</b>	<b>7,153,337</b>
Multi-unit Flat rate		-	-	68	816	57.82	47,182	47,182
<b>Commercial</b>								
5/8" Commercial Metered	26,035,742	3.62	94,249	442	5,304	46.31	245,628	339,878
1" Commercial Metered	7,522,342	3.62	27,231	29	348	115.78	40,290	67,521
1.5" Commercial Metered	6,435,764	3.62	23,297	65	780	231.55	180,609	203,906
2" Commercial Metered	22,585,847	3.62	81,761	56	672	370.48	248,963	330,723
3" Commercial Metered	6,657,134	3.62	24,099	4	48	694.65	33,343	57,442
4" Commercial Metered	935,270	3.62	3,386	1	12	1,157.75	13,893	17,279
6" Commercial Metered	5,037,998	3.62	18,238	3	36	2,315.50	83,358	101,596
<b>Total</b>	<b>75,210,097</b>		<b>272,261</b>	<b>600</b>	<b>7,200</b>		<b>846,084</b>	<b>1,118,344</b>
Regalwood/White Oaks	-		-	1,041	12,492	57.82	722,287	722,287
White Oaks School	-		-	1	12	1,799.66	21,596	21,596

Carolina Water Service, Inc. of North Carolina  
Docket No. W-354, Sub 364  
For the 12 Months Ending March 31, 2019

Casselberry  
Exhibit No. 9  
Page 2 of 4

Public Staff's Revenue at Present Rates

Billing Type	Usage	Usage Rate	Usage Revenue	Customers	Monthly	Base Charge	Base Charge Revenue	Total Revenue
					Rate x 12			
Child Castle Daycare	-	-	-	1	12	223.58	2,683	2,683
<b>Availability Connetsee</b>	-	-	-	218	2,616	4.70	12,295	12,295
<b>Availability Sapphire Valley</b>				87	1,044	8.30	8,665	8,665
<b>Total</b>	<b>458,564,131</b>		<b>1,660,002</b>	<b>14,465</b>	<b>173,580</b>		<b>8,865,412</b>	<b>10,525,414</b>

Purchased Sewer

Billing Type	Usage	Usage Rate	Usage Revenue	EOP Customers	EOP	Base Charge	Base Charge Revenue	Total Revenue
					x 12 months			
<b>Mount Carmel</b>	12,373,183	5.88	72,754	392	4,704	38.40	180,634	<b>253,388</b>
<b>College Park</b>								
Residential Flat, Sewer only	-	-	-	1	12	57.82	694	694
5/8" Residential Metered	2,380,496	5.70	13,569	50	600	31.63	18,978	32,547
<b>Total</b>	2,380,496		-	51	612		19,672	<b>33,241</b>
<b>Kings Grant</b>								
5/8" Residential Metered	8,157,700	3.80	30,999	177	2,124	31.63	67,182	98,181
1" Res Metered	191,540	3.80	728	1	12	31.63	380	1,107
<b>Total</b>	8,349,240		31,727	178	2,136		67,562	<b>99,289</b>
<b>White Oak Plantation/Lee Forest/Winston Pointe</b>								
5/8" Residential Metered	21,287,437	5.06	107,714	499	5,988	31.63	189,400	<b>297,115</b>

Carolina Water Service, Inc. of North Carolina  
Docket No. W-354, Sub 364  
For the 12 Months Ending March 31, 2019

Casselberry  
Exhibit No. 9  
Page 3 of 4

Public Staff's Revenue at Present Rates

Billing Type	Usage	Usage Rate	Usage Revenue	EOP Customers	EOP x 12 months	Base Charge	Base Charge Revenue	Total Revenue
<b>Fairfield Mountain</b>								
5/8" Res. Collection/Treatm.	-		-	405	4,860	101.13	491,492	491,492
1" Res Collection/Treatm.	-		-	12	144	101.13	14,563	14,563
Residential Collection	-		-	417	5,004		506,055	506,055
ww only f/t	-	13.93	-	2	24	101.13	2,427	2,427
Small Commercial	210,600	13.93	2,933.66	4	48	78.50	3,768	6,702
Medium Commercial	2,575,390	13.93	35,875.18	18	216	139.50	30,132	66,007
Large Commercial	159,880	13.93	2,227.13	1	12	219.50	2,634	4,861
Nonresidential Metered	2,945,870		41,035.97	25.00	300.00		38,961.12	79,997.09
<b>Total</b>	2,945,870		41,036	442	5,304		545,016	586,052

Billing Type	Usage	Usage Rate	Usage Revenue	EOP Customers	EOP x 12 months	Base Charge	Base Charge Revenue	Total Revenue
<b>The Ridges at Mountain Harbour</b>								
5/8" Res Collection/Treatm			-	46	552	50.05	27,628	27,628
5/8" Comm Collection/Treatm			-	1	12	50.05	601	601
2" Comm Collection/Treatm			-	1	12	178.99	2,148	2,148
<b>Total</b>				48	576		30,376	30,376

Carolina Water Service, Inc. of North Carolina  
Docket No. W-354, Sub 364  
For the 12 Months Ending March 31, 2019

Casselberry  
Exhibit No. 9  
Page 4 of 4

Public Staff's Revenue at Present Rates

Billing Type	Usage	Usage Rate	Usage Revenue	EOP Customers	EOP x 12 months	Base Charge	Base Charge Revenue	Total Revenue
<b>CL/MS</b>								
5/8" Residential Sewer	42,481,350	6.62	281,227	782	9,384	52.06	488,531	769,758
1" Residential Sewer	9,724,907	6.62	64,379	87	1,044	130.15	135,877	200,255
5/8" Commercial Sewer	6,202,979	6.62	41,064	67	804	52.06	41,856	82,920
1" Commercial Sewer	3,105,710	6.62	20,560	19	228	130.15	29,674	50,234
1.5" Commercial Sewer	680,757	6.62	4,507	2	24	260.31	6,247	10,754
2" Commercial Sewer	501,007	6.62	3,317	2	24	416.49	9,996	13,312
3" Commercial Sewer	68,000	6.62	450	1	12	780.92	9,371	9,821
<b>Total</b>	62,764,710		415,502	960	11,520		721,552	<b>1,137,055</b>
<b>TOTAL</b>	568,665,067		2,328,736	17,035	204,420		10,619,624	12,961,929



Carolina Water Service, Inc. of North Carolina  
Docket No. W-354, Sub 364  
For the 12 Months March 31, 2019

Casselberry  
Exhibit No. 10  
Page 1 of 1

**Public Staff's Revenue at Present Rates**

WATER

**Treasure Cove/Bradfield Farms/Fairfield Harbour/Silverton**

Billing Type	Usage	Usage Rate	Usage Revenue	EOP Customers	EOP x 12 months	Base Charge	Base Charge Revenue	Total Revenue
5/8" Residential Metered	152,700,104	3.75	572,625	3,111	37,332	16.74	624,938	1,197,563
3/4" Residential Metered	6,256,905	3.75	23,463	100	1,200	16.74	20,088	43,551
1" Residential Metered	128,930	3.75	483	1	12	41.85	502	986
2" Residential Metered	109,100	3.75	409	1	12	133.92	1,607	2,016
<b>Total Residential Metered</b>	159,195,039		596,981	3,213	38,556		647,135	1,244,116
5/8" Commercial Metered	1,284,790	3.75	4,818	23	276	16.74	4,620	9,438
1" Commercial Metered	257,676	3.75	966	6	72	41.85	3,013	3,979
1.5" Commercial Metered	374,574	3.75	1,405	2	24	83.70	2,009	3,413
2" Commercial Metered	163,407	3.75	613	3	36	133.92	4,821	5,434
<b>Total Commercial Metered</b>	2,080,447		7,802	34	408		14,463	22,265
Availability				969	11,628	3.28	38,140	38,140
<b>Total</b>	161,275,486		604,783	4,216	50,592		699,738	<b>1,304,521</b>



Carolina Water Service, Inc. of North Carolina  
Docket No. W-354, Sub 364  
For the 12 Months Ending March 31, 2019

Casselberry  
Exhibit No. 11  
Page 1 of 1

**Public Staff's Revenue at Present Rates**

**Sewer**

**Fairfield Harbour/Bradfield Farms/Silverton**

Billing Type	Usage	Usage Rate	Usage Revenue	EOP Customers	EOP x 12 months	Base Charge	Base Charge Revenue	Total Revenue
Residential Flat				165	1,980	50.46	99,911	99,911
5/8" Residential Flat (5/8" meters)				2,828	33,936	50.46	1,712,411	1,712,411
Bulk Sewer				386	4,632	50.46	233,731	233,731
<b>Total Residential</b>				<b>3,379</b>	<b>40,548</b>		<b>2,046,052</b>	<b>2,046,052</b>
5/8" Commercial Metered	952,000	1.43	1,361	16	192	44.58	8,559	9,921
1" Commercial Metered	170,286	1.43	244	2	24	111.45	2,675	2,918
1.5" Commercial Metered	374,574	1.43	536	2	24	222.90	5,350	5,885
2" Commercial Metered	7	1.43	0	1	12	356.64	4,280	4,280
<b>Total Commercial</b>	<b>1,496,867</b>		<b>2,141</b>	<b>21</b>	<b>252</b>		<b>20,863</b>	<b>23,004</b>
<b>Total</b>				<b>3,400</b>	<b>40,800</b>		<b>2,066,916</b>	<b>2,069,056</b>
Availability				969	11,628	2.65	30,814	30,814
<b>Total</b>				<b>4,369</b>	<b>52,428</b>		<b>2,097,730</b>	<b>2,099,870</b>



Public Staff's Revenue at Proposed rates

CWSNC Water

Billing Type	Usage	Usage Rate	Usage Revenue	EOP Customers	EOP x 12 months	Base Charge	Base Charge Revenue	Total Revenue
<b>New Metered Residential (1)</b>								
5/8" Residential Metered (2)	1,428,480	8.82	12,599	62	744	29.81	22,179	34,778
5/8" Residential Metered (3)	8,040,960	8.82	70,921	349	4,188	29.81	124,844	195,766
<b>Total New Metered Resid.</b>	9,469,440		83,520	411	4,932		147,023	230,543
<b>Flat Residential</b>	-		-	16	192	61.96	11,896	11,896
<b>Metered Residential</b>								
5/8" Residential Metered	689,605,063	8.82	6,082,317	19,141	229,692	29.81	6,847,119	12,929,435
3/4" Residential Metered	9,980,113	8.82	88,025	321	3,852	29.81	114,828	202,853
1" Residential Metered	4,787,324	8.82	42,224	64	768	74.53	57,235	99,459
1.5" Residential Metered	4,673,119	8.82	41,217	35	420	149.05	62,601	103,818
2" Residential Metered	5,919,240	8.82	52,208	36	432	238.48	103,023	155,231
Irrigation	(497,490)	8.82	(4,388)	-	-	-	-	(4,388)
<b>Total Residential Metered</b>	714,467,369		6,301,602	19,597	235,164		7,184,806	13,486,408
<b>Metered Commercial</b>								
5/8" Commercial Metered	12,953,741	8.82	114,252	287	3,444	29.81	102,666	216,918
1" Commercial Metered	7,848,917	8.82	69,227	44	528	74.53	39,349	108,577
1.5" Commercial Metered	7,704,654	8.82	67,955	26	312	149.05	46,504	114,459
2" Commercial Metered	23,524,139	8.82	207,483	83	996	238.48	237,526	445,009
3" Commercial Metered	7,196,449	8.82	63,473	6	72	447.15	32,195	95,667

Carolina Water Service, Inc. of North Carolina  
 Docket No. W-354, Sub 364  
 For the 12 Months Ending March 31, 2019

Casselberry  
 Exhibit No. 12  
 Page 2 of 8

Public Staff's Revenue at Proposed rates

CWSNC Water

Billing Type	Usage	Usage Rate	Usage Revenue	EOP Customers	EOP x 12 months	Base Charge	Base Charge Revenue	Total Revenue
4" Commercial Metered	935,270	8.82	8,249	1	12	745.25	8,943	17,192
6" Commercial Metered	3,899,200	8.82	34,391	2	24	1,490.50	35,772	70,163
<b>Total Commercial Metered</b>	64,062,370		565,030	449	5,388		502,954	1,067,984
<b>Irrigation</b>	497,490	5.12	2,547	-	-	-	-	2,547

**Availability**

Linville Ridge (monthly)	-		-	48	576	12.35	7,114	7,114
Sapphire Valley (monthly)				734	8,808	9.10	80,153	80,153
Connestee (monthly)				427	5,124	4.80	24,595	24,595

<b>Total Uniform</b>	788,496,669		6,952,700	21,682	260,184		7,958,541	14,911,241
----------------------	-------------	--	-----------	--------	---------	--	-----------	------------

**The Point Pilot**

Billing Type	Usage	Usage Rate	Usage Revenue	EOP Customers	EOP x 12 months	Base Charge	Base Charge Revenue	Total Revenue
5/8" Residential Metered	-		-	1,519	18,228	23.85	434,738	434,738
Block 1 0 - 5,000	76,171,566	7.06	537,771	-	-	-	-	537,771
Block 2 5001 18,000	71,402,484	11.03	787,569	-	-	-	-	787,569
Block 3 18,000 +	45,729,985	14.71	672,688	-	-	-	-	672,688
<b>Total</b>	193,304,035		1,998,029	1,519	18,228		434,738	2,432,767

Carolina Water Service, Inc. of North Carolina  
 Docket No. W-354, Sub 364  
 For the 12 Months Ending March 31, 2019

Casselberry  
 Exhibit No. 12  
 Page 3 of 8

Public Staff's Revenue at Proposed rates

**Purchased water**

**Carolina Trace**

Billing Type	Usage	Usage Rate	Usage Revenue	EOP Customers	EOP x 12 months	Base Charge	Base Charge Revenue	Total Revenue
5/8" Residential Metered	61,635,224	2.21	136,214	1,610	19,320	29.81	575,929	712,143
1" Residential Metered	96,220	2.21	213	1	12	74.53	894	1,107
2" Residential Metered	10,000	2.21	22	1	12	238.48	2,862	2,884
<b>Total</b>	<b>61,741,444</b>		<b>136,449</b>	<b>1,612</b>		<b>343</b>	<b>579,685</b>	<b>716,134</b>

**Carolina Trace**

Billing Type	Usage	Usage Rate	Usage Revenue	EOP Customers	EOP x 12 months	Base Charge	Base Charge Revenue	Total Revenue
5/8" Commercial Metered	1,667,530	2.21	3,685	26	312	29.81	9,301	12,986
1" Commercial Metered	60,850	2.21	134	1	12	74.53	894	1,029
1.5" Commercial Metered	570,000	2.21	1,260	1	12	149.05	1,789	3,048
2" Commercial Metered	1,861,400	2.21	4,114	2	24	238.48	5,724	9,837
<b>Total</b>	<b>4,159,780</b>		<b>9,193</b>	<b>30</b>	<b>360</b>		<b>17,707</b>	<b>26,900</b>
<b>Total</b>	<b>65,901,224</b>		<b>145,642</b>	<b>1,642</b>	<b>360</b>		<b>597,392</b>	<b>743,034</b>

**Carolina Forest**

Billing Type	Usage	Usage Rate	Usage Revenue	EOP Customers	EOP x 12 months	Base Charge	Base Charge Revenue	Total Revenue
5/8" Residential Metered	6,466,328	3.19	20,628	209	2,508	29.81	74,763	95,391
1" Residential Metered	9,490	3.19	30	1	12	74.53	894	925
<b>Total</b>	<b>6,475,818</b>		<b>20,658</b>	<b>210</b>	<b>2,520</b>		<b>75,658</b>	<b>96,316</b>

Carolina Water Service, Inc. of North Carolina  
Docket No. W-354, Sub 364  
For the 12 Months Ending March 31, 2019

Casselberry  
Exhibit No. 12  
Page 4 of 8

Public Staff's Revenue at Proposed rates

**Carolina Forest**

Billing Type	Usage	Usage Rate	Usage Revenue	EOP Customers	EOP x 12 months	Base Charge	Base Charge Revenue	Total Revenue
5/8" Commercial Metered	15,679	3.19	50	4	48	29.81	1,431	1,481
1" Commercial Metered	81,625	3.19	260	1	12	74.53	894	1,155
1.5" Commercial Metered	87,000	3.19	278	1	12	149.05	1,789	2,066
<b>Total</b>	<b>184,304</b>		<b>588</b>	<b>6</b>	<b>72</b>		<b>4,114</b>	<b>4,702</b>
Availability bi-annual			-	1,354	2,708	24.65	66,752	66,752
<b>Total</b>	<b>6,660,122</b>		<b>21,246</b>	<b>1,570</b>	<b>5,300</b>		<b>146,524</b>	<b>167,770</b>

**High Vista Estates**

Billing Type	Usage	Usage Rate	Usage Revenue	EOP Customers	EOP x 12 months	Base Charge	Base Charge Revenue	Total Revenue
5/8" Residential Metered	10,611,338	3.43	36,397	234	2,808	29.81	83,706	120,103
1" Residential Metered	69,420	3.43	238	1	12	74.53	894	1,132
<b>Total</b>	<b>10,680,758</b>		<b>36,635</b>	<b>235</b>	<b>2,820</b>		<b>84,601</b>	<b>121,236</b>
5/8" Commercial Metered	343,860	3.43	1,179	3	36	29.81	1,073	2,253
2" Commercial Metered	295,900	3.43	1,015	1	12	238.48	2,862	3,877
<b>Total</b>	<b>639,760</b>		<b>2,194</b>	<b>4</b>	<b>48</b>		<b>3,935</b>	<b>6,129</b>
<b>Total</b>	<b>11,320,518</b>		<b>38,829</b>	<b>239</b>	<b>2,868</b>		<b>88,536</b>	<b>127,365</b>

Public Staff's Revenue at Proposed rates

**Riverpointe**

Billing Type	Usage	Usage Rate	Usage Revenue	EOP Customers	EOP x 12 months	Base Charge	Base Charge Revenue	Total Revenue
5/8" Residential Metered	14,072,170	6.48	91,188	190	2,280	29.81	67,967	159,154
1" Residential Metered	117,690	6.48	763	2	24	74.53	1,789	2,551
<b>Total</b>	<b>14,189,860</b>		<b>91,950</b>	<b>192</b>	<b>2,304</b>		<b>69,755</b>	<b>161,706</b>
5/8" Commercial Metered	711,550	6.48	4,611	5	60	29.81	1,789	6,399
<b>Total</b>	<b>14,901,410</b>		<b>96,561</b>	<b>197</b>	<b>2,364</b>		<b>71,544</b>	<b>168,105</b>

**Whispering Pines**

Billing Type	Usage	Usage Rate	Usage Revenue	EOP Customers	EOP x 12 months	Base Charge	Base Charge Revenue	Total Revenue
5/8" Residential Metered	88,137,041	2.23	196,546	1,578	18,936	29.81	564,482	761,028
1" Residential Metered	1,322,684	2.23	2,950	15	180	74.53	13,415	16,364
<b>Total</b>	<b>89,459,725</b>		<b>199,495</b>	<b>1,593</b>	<b>19,116</b>		<b>577,897</b>	<b>777,392</b>
5/8" Commercial Metered	1,093,600	2.23	2,439	28	336	29.81	10,016	12,455
1" Commercial Metered	2,480,250	2.23	5,531	7	84	74.53	6,260	11,791
1.5" Commercial Metered	578,400	2.23	1,290	5	60	149.05	8,943	10,233
2" Commercial Metered	438,500	2.23	978	1	12	238.48	2,862	3,840
4" Commercial Metered	520	2.23	1	1	12	745.25	8,943	8,944
<b>Total</b>	<b>4,591,270</b>		<b>10,239</b>	<b>42</b>	<b>504</b>		<b>37,024</b>	<b>47,263</b>
<b>Total</b>	<b>94,050,995</b>		<b>209,734</b>	<b>1,635</b>	<b>19,620</b>		<b>614,921</b>	<b>824,654</b>

Carolina Water Service, Inc. of North Carolina  
Docket No. W-354, Sub 364  
For the 12 Months Ending March 31, 2019

Casselberry  
Exhibit No. 12  
Page 6 of 8

Public Staff's Revenue at Proposed rates

**White Oak Planation/Lee  
Forest/Winston  
Planation/Winston Point**

Billing Type	Usage Usage	Usage Rate	Usage Revenue	EOP Customers	EOP x 12 months	Base Charge	Base Charge Revenue	Total Revenue
5/8" Residential Metered	26,041,717	2.65	69,011	590	7,080	29.81	211,055	280,065
3/4" Residential Metered	47,580	2.65	126	1	12	29.81	358	484
<b>Total</b>	<b>26,089,297</b>		<b>69,137</b>	<b>591</b>	<b>7,092</b>		<b>211,413</b>	<b>280,549</b>
1.5" Commercial Metered	193,800	2.65	514	1	12	149.05	1,789	2,302
<b>Total</b>	<b>26,283,097</b>		<b>69,650</b>	<b>592</b>	<b>7,104</b>		<b>213,201</b>	<b>282,851</b>

**Yorktown**

Billing Type	Usage Usage	Usage Rate	Usage Revenue	EOP Customers	EOP x 12 months	Base Charge	Base Charge Revenue	Total Revenue
<b>5/8" Residential Metered</b>	<b>3,544,045</b>	<b>5.19</b>	<b>18,394</b>	<b>106</b>	<b>1,272</b>	<b>29.81</b>	<b>37,918</b>	<b>56,312</b>

**Woodrun**

Billing Type	Usage Usage	Usage Rate	Usage Revenue	EOP Customers	EOP x 12 months	Base Charge	Base Charge Revenue	Total Revenue
5/8" Residential Metered	17,842,290	3.19	56,917	463	5,556	29.81	165,624	222,541
1" Residential Metered	18,980	3.19	61	1	12	74.53	894	955
<b>Total</b>	<b>17,861,270</b>		<b>56,977</b>	<b>464</b>	<b>5,568</b>		<b>166,519</b>	<b>223,496</b>

Carolina Water Service, Inc. of North Carolina  
Docket No. W-354, Sub 364  
For the 12 Months Ending March 31, 2019

Casselberry  
Exhibit No. 12  
Page 7 of 8

Public Staff's Revenue at Proposed rates

**Woodrun**

Billing Type	Usage	Usage Rate	Usage Revenue	EOP Customers	EOP x 12 months	Base Charge	Base Charge Revenue	Total Revenue
5/8" Commercial Metered	82,301	3.19	263	4	48	29.81	1,431	1,693
1" Commercial Metered	341,180	3.19	1,088	1	12	74.53	894	1,983
<b>Total</b>	<b>423,481</b>		<b>1,351</b>	<b>5</b>	<b>60</b>		<b>2,325</b>	<b>3,676</b>
<b>Total</b>	<b>18,284,751</b>		<b>58,328</b>	<b>469</b>	<b>5,628</b>		<b>168,844</b>	<b>227,172</b>

**Zemosa Acres**

Billing Type	Usage	Usage Rate	Usage Revenue	EOP Customers	EOP x 12 months	Base Charge	Base Charge Revenue	Total Revenue
5/8" Residential Metered	11,502,007	5.27	60,616	243	2,916	29.81	86,926	147,542
3/4" Residential Metered	36,113	5.27	190	1	12	29.81	358	548
1" Residential Metered	87,915	5.27	463	3	36	74.53	2,683	3,146
<b>Total</b>	<b>11,626,035</b>		<b>61,269</b>	<b>247</b>	<b>2,964</b>		<b>89,967</b>	<b>151,236</b>
1" Commercial Metered	102,700	5.27	541	1	12	74.53	894	1,436
<b>Total</b>	<b>11,728,735</b>		<b>61,810</b>	<b>248</b>	<b>2,976</b>		<b>90,861</b>	<b>152,671</b>

**Riverbend**

Billing Type	Usage	Usage Rate	Usage Revenue	EOP Customers	EOP x 12 months	Base Charge	Base Charge Revenue	Total Revenue
<b>5/8" Residential Metered</b>	<b>5,872,416</b>	<b>7.20</b>	<b>42,281</b>	<b>141</b>	<b>1,692</b>	<b>29.81</b>	<b>50,439</b>	<b>92,720</b>

Carolina Water Service, Inc. of North Carolina  
Docket No. W-354, Sub 364  
For the 12 Months Ending March 31, 2019

Casselberry  
Exhibit No. 12  
Page 8 of 8

Public Staff's Revenue at Proposed rates

Billing Type	Usage	Usage Rate	Usage Revenue	EOP Customers	EOP x 12 months	Base Charge	Base Charge Revenue	Total Revenue
<b>TOTAL</b>	<b>1,240,348,017</b>		<b>9,713,204</b>	<b>30,040</b>	<b>327,596</b>		<b>10,473,458</b>	<b>20,186,663</b>

Notes

- 1 Estimated consumption 1,920 gallons per EOP customer per month
- 2 The Ridges at Mountain Harbour
- 3 Linville Ridge
- 4 Availability customers in Woodrun included with Carolina Forest availability customers



Carolina Water Service, Inc. of North Carolina  
Docket No. W-354, Sub 364  
For the 12 Months Ending March 31, 2019

Casselberry  
Exhibit No. 13  
Page 1 of 4

Public Staff's Revenue at Proposed Rates

CWSNC Sewer

Billing Type	Usage	Usage Rate	Usage Revenue	EOP Customers	EOP x 12 months	Base Charge	Base Charge Revenue	Total Revenue
Residential Flat, Sewer		-	-	2,074	24,888	79.46	1,977,600	1,977,600
5/8" Res Metered	376,017,839	5.80	2,180,903	10,347	124,164	59.67	7,408,866	9,589,769
1" Res Metered	1,109,385	5.80	6,434	26	312	59.67	18,617	25,051
1.5" Res Metered	4,204,519	5.80	24,386	-	-	59.67	-	24,386
2" Res Metered	2,022,291	5.80	11,729	2	24	59.67	1,432	13,161
Total	383,354,034		2,223,453	10,375	124,500		7,428,915	9,652,368
Multi-unit Flat rate		-	-	68	816	79.46	64,839	64,839
Commercial								
5/8" Commercial Metered	26,035,742	5.80	151,007	442	5,304	59.67	316,490	467,497
1" Commercial Metered	7,522,342	5.80	43,630	29	348	149.18	51,913	95,542
1.5" Commercial Metered	6,435,764	5.80	37,327	65	780	298.35	232,713	270,040
2" Commercial Metered	22,585,847	5.80	130,998	56	672	477.36	320,786	451,784
3" Commercial Metered	6,657,134	5.80	38,611	4	48	895.05	42,962	81,574
4" Commercial Metered	935,270	5.80	5,425	1	12	1,491.75	17,901	23,326
6" Commercial Metered	5,037,998	5.80	29,220	3	36	2,983.50	107,406	136,626
Total	75,210,097		436,219	600	7,200		1,090,171	1,526,389
Regalwood/White Oaks	-		-	1,041	12,492	79.46	992,614	992,614
White Oaks School	-		-	1	12	2,059.25	24,711	24,711

Carolina Water Service, Inc. of North Carolina  
Docket No. W-354, Sub 364  
For the 12 Months Ending March 31, 2019

Casselberry  
Exhibit No. 13  
Page 2 of 4

Public Staff's Revenue at Proposed Rates

Billing Type	Usage	Usage Rate	Usage Revenue	Customers	Monthly	Base Charge	Base Charge Revenue	Total Revenue
					Rate x 12			
Child Castle Daycare	-	-	-	1	12	255.83	3,070	3,070
<b>Availability Connestee</b>	-	-	-	218	2,616	4.70	12,295	12,295
<b>Availability Sapphire Valley</b>				87	1,044	8.30	8,665	8,665
<b>Total</b>	<b>458,564,131</b>		<b>2,659,672</b>	<b>14,465</b>	<b>173,580</b>		<b>11,602,881</b>	<b>14,262,553</b>

Purchased Sewer

Billing Type	Usage	Usage Rate	Usage Revenue	EOP Customers	EOP	Base Charge	Base Charge Revenue	Total Revenue
					x 12 months			
<b>Mount Carmel</b>	12,373,183	6.16	76,219	392	4,704	47.89	225,275	<b>301,493</b>
<b>College Park</b>								
Residential Flat, Sewer only	-	-	-	1	12	79.46	954	954
5/8" Residential Metered	2,380,496	5.70	13,569	50	600	40.78	24,468	38,037
<b>Total</b>	2,380,496		-	51	612		25,422	<b>38,990</b>
<b>Kings Grant</b>								
5/8" Residential Metered	8,157,700	3.98	32,468	177	2,124	40.78	86,617	119,084
1" Res Metered	191,540	3.98	762	1	12	40.78	489	1,252
<b>Total</b>	8,349,240		33,230	178	2,136		87,106	<b>120,336</b>
<b>White Oak Plantation/Lee Forest/Winston Pointe</b>								
5/8" Residential Metered	21,287,437	5.57	118,571	499	5,988	40.78	244,191	<b>362,762</b>

Carolina Water Service, Inc. of North Carolina  
Docket No. W-354, Sub 364  
For the 12 Months Ending March 31, 2019

Casselberry  
Exhibit No. 13  
Page 3 of 4

Public Staff's Revenue at Proposed Rates

Billing Type	Usage	Usage Rate	Usage Revenue	EOP Customers	EOP x 12 months	Base Charge	Base Charge Revenue	Total Revenue
<b>Fairfield Mountain</b>								
5/8" Res. Collection/Treatm.	-		-	405	4,860	110.28	535,961	535,961
1" Res Collection/Treatm.	-		-	12	144	110.28	15,880	15,880
Residential Collection	-		-	417	5,004		551,841	551,841
ww only f/t	-	13.93	-	2	24	110.28	2,647	2,647
Small Commercial	210,600	13.93	2,933.66	4	48	78.50	3,768	6,702
Medium Commercial	2,575,390	13.93	35,875.18	18	216	139.50	30,132	66,007
Large Commercial	159,880	13.93	2,227.13	1	12	219.50	2,634	4,861
Nonresidential Metered	2,945,870		41,035.97	25.00	300.00		39,180.72	80,216.69
<b>Total</b>	2,945,870		41,036	442	5,304		591,022	632,058

Billing Type	Usage	Usage Rate	Usage Revenue	EOP Customers	EOP x 12 months	Base Charge	Base Charge Revenue	Total Revenue
<b>The Ridges at Mountain Harbour</b>								
5/8" Res Collection/Treatm			-	46	552	59.20	32,678	32,678
5/8" Comm Collection/Treatm			-	1	12	59.20	710	710
2" Comm Collection/Treatm.			-	1	12	188.14	2,258	2,258
<b>Total</b>				48	576		35,646	35,646

Carolina Water Service, Inc. of North Carolina  
 Docket No. W-354, Sub 364  
 For the 12 Months Ending March 31, 2019

Casselberry  
 Exhibit No. 13  
 Page 4 of 4

Public Staff's Revenue at Proposed Rates

Billing Type	Usage	Usage Rate	Usage Revenue	EOP Customers	EOP x 12 months	Base Charge	Base Charge Revenue	Total Revenue
<b>CL/MS</b>								
5/8" Residential Sewer	42,481,350	5.80	246,392	782	9,384	59.67	559,943	806,335
1" Residential Sewer	9,724,907	5.80	56,404	87	1,044	149.18	155,739	212,143
5/8" Commercial Sewer	6,202,979	5.80	35,977	67	804	59.67	47,975	83,952
1" Commercial Sewer	3,105,710	5.80	18,013	19	228	149.18	34,012	52,025
1.5" Commercial Sewer	680,757	5.80	3,948	2	24	298.35	7,160	11,109
2" Commercial Sewer	501,007	5.80	2,906	2	24	477.36	11,457	14,362
3" Commercial Sewer	68,000	5.80	394	1	12	895.05	10,741	11,135
<b>Total</b>	62,764,710		364,035	960	11,520		827,026	<b>1,191,062</b>
<b>TOTAL</b>	568,665,067		3,292,763	17,035	204,420		13,638,569	16,944,901



Carolina Water Service, Inc. of North Carolina  
Docket No. W-354, Sub 364  
For the 12 Months March 31, 2019

Casselberry  
Exhibit No. 14  
Page 1 of 1

**Public Staff's Revenue at Proposed Rates**

WATER

**Treasure Cove/Bradfield Farms/Fairfield Harbour/Silverton**

Billing Type	Usage	Usage Rate	Usage Revenue	EOP Customers	EOP x 12 months	Base Charge	Base Charge Revenue	Total Revenue
5/8" Residential Metered	152,700,104	4.45	679,515	3,111	37,332	18.67	696,988	1,376,504
3/4" Residential Metered	6,256,905	4.45	27,843	100	1,200	18.67	22,404	50,247
1" Residential Metered	128,930	4.45	574	1	12	46.68	560	1,134
2" Residential Metered	109,100	4.45	485	1	12	149.36	1,792	2,278
<b>Total Residential Metered</b>	159,195,039		708,418	3,213	38,556		721,745	1,430,163
5/8" Commercial Metered	1,284,790	4.45	5,717	23	276	18.67	5,153	10,870
1" Commercial Metered	257,676	4.45	1,147	6	72	46.68	3,361	4,508
1.5" Commercial Metered	374,574	4.45	1,667	2	24	93.35	2,240	3,907
2" Commercial Metered	163,407	4.45	727	3	36	149.36	5,377	6,104
<b>Total Commercial Metered</b>	2,080,447		9,258	34	408		16,131	25,389
Availability				969	11,628	3.28	38,140	38,140
<b>Total</b>	161,275,486		717,676	4,216	50,592		776,016	<b>1,493,692</b>



Carolina Water Service, Inc. of North Carolina  
 Docket No. W-354, Sub 364  
 For the 12 Months Ending March 31, 2019

Casselberry  
 Exhibit No. 15  
 Page 1 of 1

**Public Staff's Revenue at Proposed Rates**

**Sewer**

**Fairfield Harbour/Bradfield Farms/Silverton**

Billing Type	Usage	Usage Rate	Usage Revenue	EOP Customers	EOP x 12 months	Base Charge	Base Charge Revenue	Total Revenue
Residential Flat				165	1,980	55.66	110,207	110,207
5/8" Residential Flat (meteres)				2,828	33,936	55.66	1,888,878	1,888,878
Bulk Sewer				386	4,632	55.66	257,817	257,817
<b>Total Residential</b>				<b>3,379</b>	<b>40,548</b>		<b>2,256,902</b>	<b>2,256,902</b>
5/8" Commercial Metered	952,000	1.73	1,647	16	192	49.17	9,441	11,088
1" Commercial Metered	170,286	1.73	295	2	24	122.94	2,951	3,245
1.5" Commercial Metered	374,574	1.73	648	2	24	245.87	5,901	6,549
2" Commercial Metered	7	1.73	0	1	12	393.39	4,721	4,721
<b>Total Commercial</b>	<b>1,496,867</b>		<b>2,590</b>	<b>21</b>	<b>252</b>		<b>23,013</b>	<b>25,602</b>
<b>Total</b>				<b>3,400</b>	<b>40,800</b>		<b>2,279,914</b>	<b>2,282,504</b>
Availability				969	11,628	2.65	30,814	30,814
<b>Total</b>				<b>4,369</b>	<b>52,428</b>		<b>2,310,729</b>	<b>2,313,318</b>



Carolina Water Service, Inc. of North Carolina  
 Docket No. W-354, Sub 364  
 For the 12 Months Ending March 31, 2019

Casselberry  
 Exhibit No. 16  
 Page 1 of 3

**AVERAGE CONSUMPTION**

**CWSNC Water Sub 356 Test year 2016  
 Consolidated Rate Case**

Service Area	Total Residential	EOP Customers	EOP Annual	Average Usage
Abington/Kylwood	30,419,686	596	7,152	4,253
Bahia Bay	5,407,176	117	1,404	3,851
Bear Paw	5,241,452	339	4,068	1,288
Beechbrook	1,840,830	37	444	4,146
Belvedere Plantation	61,221,867	1,175	14,100	4,342
Bent Creek	13,214,273	306	3,672	3,599
Brandywine Bay	33,333,247	841	10,092	3,303
Buffalo Creek	12,216,260	274	3,288	3,715
Chapel Hill	3,358,047	96	1,152	2,915
College Park	3,860,650	79	948	4,072
Country Club Annex	1,111,270	24	288	3,859
Country Hills	4,160,861	67	804	5,175
Crestview	1,093,640	38	456	2,398
Crystal Mountain	800,476	49	588	1,361
Lamplight/Danby/Wdsd Fall	71,402,841	1,279	15,348	4,652
Eagle Crossing	3,859,800	78	936	4,124
Eastgate				
Eastwood Forest	5,807,602	131	1,572	3,694
Forest Brook/Ole lamp Place	6,808,484	126	1,512	4,503
Grandview at T-Square	3,367,590	74	888	3,792
Harbor House Estates	2,577,240	62	744	3,464
Heathfield	8,209,536	63	756	10,859
Hestron Park				
High Meadows	6,836,542	274	3,288	2,079
Holly Acres	2,623,750	53	636	4,125
Hounds Ear	10,842,560	424	5,088	2,131
Huntington Forest	2,955,022	56	672	4,397
Kings Grant	8,254,320	178	2,136	3,864
Larkhaven	8,613,440	165	1,980	4,350
Lemmond Acres	2,158,080	32	384	5,620
Linville Ridge				
Mason Landing	344,450	11	132	2,609
Meadow Glen	1,676,930	33	396	4,235
Misty Mountain	2,738,194	141	1,692	1,618
Monteray	1,363,710	27	324	4,209
Mt Mitchell	6,005,893	205	2,460	2,441
Nero	6,333,830	125	1,500	4,223
Oakdale terrace	1,956,133	43	516	3,791
Old Lamp Place				

**CWSNC Water Sub 360 Test Year 2017  
 Year 1 After Consolidated**

Service Area	Total Residential	EOP Customers	EOP Annual	Average Usage
Abington/Kylwood	29,648,018	591	7,092	4,180
Bahia Bay	5,388,322	116	1,392	3,871
Bear Paw	4,721,400	345	4,140	1,140
Beechbrook	1,621,770	37	444	3,653
Belvedere Plantation	58,006,038	1,205	14,460	4,011
Bent Creek	12,571,364	302	3,624	3,469
Brandywine Bay	33,838,003	850	10,200	3,317
Buffalo Creek	12,096,130	284	3,408	3,549
Chapel Hill	3,192,297	103	1,236	2,583
College Park	3,871,020	80	960	4,032
Country Club Annex	1,008,180	24	288	3,501
Country Hills	3,674,440	67	804	4,570
Crestview	1,233,623	39	468	2,636
Crystal Mountain	891,329	48	576	1,547
Lamplight/Danby/Wdsd Fall	64,413,850	1,314	15,768	4,085
Eagle Crossing	3,866,720	78	936	4,131
Eastgate	-			
Eastwood Forest	5,944,815	127	1,524	3,901
Forest Brook/Ole lamp Place	6,449,143	127	1,524	4,232
Grandview at T-Square	3,451,440	75	900	3,835
Harbor House Estates	2,436,790	60	720	3,384
Heathfield	7,203,260	67	804	8,959
Hestron Park	-			
High Meadows	6,628,615	274	3,288	2,016
Holly Acres	2,449,110	53	636	3,851
Hounds Ear	9,669,349	430	5,160	1,874
Huntington Forest	3,052,103	59	708	4,311
Kings Grant	8,267,101	181	2,172	3,806
Larkhaven	8,976,210	163	1,956	4,589
Lemmond Acres	2,011,360	34	408	4,930
Linville Ridge	-			
Mason Landing	502,790	14	168	2,993
Meadow Glen	1,816,520	33	396	4,587
Misty Mountain	2,781,711	141	1,692	1,644
Monteray	1,372,700	27	324	4,237
Mt Mitchell	5,360,181	204	2,448	2,190
Nero	5,695,630	124	1,488	3,828
Oakdale terrace	1,558,190	41	492	3,167
Old Lamp Place	-			

**CWSNC Water Year 2018  
 Year 2 After Consolidated**

Service Area	Total Residential	EOP Customers	EOP Annual	Average Usage
Abington/Kylwood	29,647,446	598	7,176	4,131
Bahia Bay	4,946,592	115	1,380	3,584
Bear Paw	5,228,880	347	4,164	1,256
Beechbrook	1,552,340	38	456	3,404
Belvedere Plantation	62,990,164	1,214	14,568	4,324
Bent Creek	11,666,279	322	3,864	3,019
Brandywine Bay	32,712,195	854	10,248	3,192
Buffalo Creek	12,013,400	284	3,408	3,525
Chapel Hill	3,236,356	95	1,140	2,839
College Park	3,904,327	78	936	4,171
Country Club Annex	1,012,120	23	276	3,667
Country Hills	4,036,718	67	804	5,021
Crestview	1,074,570	38	456	2,357
Crystal Mountain	910,300	48	576	1,580
Lamplight/Danby/Wdsd Fall	65,370,121	1,261	15,132	4,320
Eagle Crossing	3,605,480	77	924	3,902
Eastgate	1,681,420	55	660	2,548
Eastwood Forest	5,728,547	120	1,440	3,978
Forest Brook/Ole lamp Place	4,806,162	82	984	4,884
Grandview at T-Square	3,696,134	77	924	4,000
Harbor House Estates	1,485,597	29	348	4,269
Heathfield	6,901,847	64	768	8,987
Hestron Park	497,480	1	12	41,457
High Meadows	5,443,825	263	3,156	1,725
Holly Acres	2,868,791	51	612	4,688
Hounds Ear	9,751,047	412	4,944	1,972
Huntington Forest	2,331,218	60	720	3,238
Kings Grant	8,474,636	179	2,148	3,945
Larkhaven	8,951,310	164	1,968	4,548
Lemmond Acres	1,915,867	33	396	4,838
Linville Ridge	16,235	1	12	1,353
Mason Landing	771,740	14	168	4,594
Meadow Glen	1,845,480	33	396	4,660
Misty Mountain	2,541,250	140	1,680	1,513
Monteray	1,304,540	27	324	4,026
Mt Mitchell	4,763,588	208	2,496	1,908
Nero	5,613,715	123	1,476	3,803
Oakdale terrace	1,645,629	41	492	3,345
Old Lamp Place	1,609,413	45	540	2,980

Carolina Water Service, Inc. of North Carolina  
 Docket No. W-354, Sub 364  
 For the 12 Months Ending March 31, 2019

Casselberry  
 Exhibit No. 16  
 Page 2 of 3

CWSNC Water

**AVERAGE CONSUMPTION**

**CWSNC Water Sub 356 Test year 2016  
 Consolidated Rate Case**

Service Area				
Olde Point	9,110,103	195	2,340	3,893
Pinnacle Shores	11,421,010	154	1,848	6,180
Powder Horn Mountain	4,927,649	230	2,760	1,785
Quail Ridge	8,349,880	170	2,040	4,093
Queen's Harbor	4,342,086	115	1,380	3,146
Red Bird	-			
Ridges at Mountain Harbour	-			
Riverwood	11,141,360	189	2,268	4,912
Saddlewood	6,430,051	124	1,488	4,321
Sherwood Forest	7,070,274	250	3,000	2,357
Sherwood Park	5,277,550	96	1,152	4,581
Ski Country				
Ski Mountain	6,128,203	242	2,904	2,110
Stone Hollow	11,034,378	223	2,676	4,123
Suburban Heights	1,357,810	25	300	4,526
Sugar Mountain	20,388,604	1,298	15,576	1,309
Tanglewood Estates				
Tanglewood South				
The Point	235,425,319	1,483	17,796	13,229
Vander	12,193,289	251	3,012	4,048
Watauga Vista	3,672,536	139	1,668	2,202
Waterglyn	1,599,030	41	492	3,250
Westwood Forest	5,675,290	119	1,428	3,974
Wildlife Bay	5,796,160	80	960	6,038
Wildwood green	10,691,725	225	2,700	3,960
Willowbrook	6,285,440	166	1,992	3,155
Wolf Laurel	13,675,962	636	7,632	1,792
Wood Trace	2,412,890	45	540	4,468
Skyleaf	694,871	44	528	1,316
Woodhaven Manor	3,385,340	78	936	3,617
<b>Total</b>	<b>750,502,492</b>	<b>14,236</b>	<b>170,832</b>	<b>4,393</b>
Cleanwater	101,289,220	1,953	23,436	4,322
Forest Hill	5,650,985	119	1,428	3,957
Connestee falls	36,125,003	1,356	16,272	2,220
Sapphire Valley	47,923,478	1,591	19,092	2,510
Fairfield Mountain	29,923,599	1,030	12,360	2,421
Total Uniform	971,414,777	20,285	243,420	3,991
Elk River	6,498,574	290	3,480	1,867
<b>Total Uniform</b>	<b>977,913,351</b>	<b>20,575</b>	<b>246,900</b>	<b>3,961</b>

**CWSNC Water Sub 360 Test Year 2017  
 Year 1 After Consolidated**

8,693,068	195	2,340	3,715
10,688,380	162	1,944	5,498
4,708,467	230	2,760	1,706
8,497,960	174	2,088	4,070
4,076,820	112	1,344	3,033
-			
2,915			
10,668,480	195	2,340	4,559
6,085,890	127	1,524	3,993
7,221,525	252	3,024	2,388
5,473,750	96	1,152	4,752
-			
6,429,521	245	2,940	2,187
10,829,050	222	2,664	4,065
1,213,348	24	288	4,213
21,275,916	1,423	17,076	1,246
193,072,853	1,523	18,276	10,564
12,114,137	258	3,096	3,913
3,031,575	141	1,692	1,792
1,584,450	43	516	3,071
5,433,320	117	1,404	3,870
4,811,120	83	996	4,830
10,977,328	227	2,724	4,030
5,941,530	170	2,040	2,913
13,024,043	643	7,716	1,688
2,358,980	46	552	4,274
3,193,180	79	948	3,368
687,077,128	14,504	174,048	3,948
101,557,612	1,969	23,628	4,298
5,333,743	119	1,428	3,735
35,001,080	1,383	16,596	2,109
42,717,038	1,608	19,296	2,214
28,120,900	1,039	12,468	2,255
899,807,501	20,622	247,464	3,636
8,346,141	282	3,384	2,466
<b>908,153,642</b>	<b>20,904</b>	<b>250,848</b>	<b>3,620</b>

**CWSNC Water Year 2018  
 Year 2 After Consolidated**

8,285,759	195	2,340	3,541
10,896,383	159	1,908	5,711
4,171,301	231	2,772	1,505
7,936,032	175	2,100	3,779
4,228,230	112	1,344	3,146
-			
-			
11,114,780	192	2,304	4,824
5,850,551	127	1,524	3,839
6,884,911	255	3,060	2,250
5,857,950	97	1,164	5,033
538,501	65	780	690
6,782,342	231	2,772	2,447
10,765,020	222	2,664	4,041
1,091,066	24	288	3,788
25,381,443	1,376	16,512	1,537
7,024,043	119	1,428	4,919
2,573,620	78	936	2,750
195,652,610	1,531	18,372	10,649
-			
4,099,480	138	1,656	2,476
1,614,640	44	528	3,058
5,342,893	121	1,452	3,680
4,658,283	83	996	4,677
10,562,563	226	2,712	3,895
5,700,399	165	1,980	2,879
14,373,318	646	7,752	1,854
2,233,530	46	552	4,046
-			
3,149,560	79	948	3,322
695,321,967	14,418	173,016	4,019
101,997,484	2,058	24,696	4,130
4,645,604	118	1,416	3,281
36,853,031	1,385	16,620	2,217
43,125,574	1,604	19,248	2,241
26,952,550	979	11,748	2,294
908,896,210	20,562	246,744	3,684
9,550,847	273	3,276	2,915
<b>918,447,057</b>	<b>20,835</b>	<b>250,020</b>	<b>3,673</b>

Carolina Water Service, Inc. of North Carolina  
 Docket No. W-354, Sub 364  
 For the 12 Months Ending March 31, 2019

Casselberry  
 Exhibit No. 16  
 Page 3 of 3

CWSNC Water

**AVERAGE CONSUMPTION**

**CWSNC Water Sub 356 Test year 2016  
 Consolidated Rate Case**

Service Area				
Purchased Water				
Carolina Trace	58,099,129	1,576	18,912	3,072
Carolina Forest	5,812,121	198	2,376	2,446
High Vista	10,612,170	235	2,820	3,763
Riverpointe	15,752,797	190	2,280	6,909
Whispering Pines	86,488,543	1,534	18,408	4,698
White Oak Plantation	25,363,484	507	6,084	4,169
Woodrun	17,048,700	463	5,556	3,069
Yorktown	3,755,800	107	1,284	2,925
Zemosa Acres	12,191,867	241	2,892	4,216
<b>Total Uniform Rate Division</b>	<b>1,213,037,962</b>	<b>25,626</b>	<b>307,512</b>	<b>3,945</b>

**CWSNC Water Sub 360 Test Year 2017  
 Year 1 After Consolidated**

57,902,753	1,593	19,116	3,029
6,979,229	201	2,412	2,894
10,525,100	258	3,096	3,400
14,386,209	197	2,364	6,086
95,804,426	1,576	18,912	5,066
27,303,660	571	6,852	3,985
16,592,047	457	5,484	3,026
3,820,510	195	2,340	1,633
12,064,309	243	2,916	4,137
<b>1,153,531,885</b>	<b>26,195</b>	<b>314,340</b>	<b>3,670</b>

**CWSNC Water Year 2018  
 Year 2 After Consolidated**

61,205,662	1,618	19,416	3,152
6,643,518	206	2,472	2,688
10,661,120	237	2,844	3,749
14,622,289	191	2,292	6,380
90,847,854	1,578	18,936	4,798
26,260,328	579	6,948	3,780
17,944,038	462	5,544	3,237
3,682,649	103	1,236	2,979
12,008,774	236	2,832	4,240
<b>1,162,323,289</b>	<b>26,045</b>	<b>312,540</b>	<b>3,719</b>

TC/BF/FH Water

**TC/BF/FH Sub 356 Test Year 2016**

Service Area	Total		EOP	EOP	Average
	Residential	Customers	Annual	Usage	
Bradfield Farms	69,552,347	1,051	12,612	5,515	
Fairfield Harbor	79,493,106	1,844	22,128	3,592	
Treasure Cove	18,950,743	286	3,432	5,522	
<b>Total</b>	<b>167,996,196</b>	<b>3,181</b>	<b>38,172</b>	<b>4,401</b>	

**TC/BF/FH Sub 360 Test Year 2017**

Total	EOP		EOP	Average
	Residential	Customers	Annual	Usage
65,090,523	1,093	13,116	4,963	
76,664,416	1,840	22,080	3,472	
17,829,557	302	3,624	4,920	
<b>159,584,496</b>	<b>3,235</b>	<b>38,820</b>	<b>4,111</b>	

**TC/BF/FH Test Year 2018**

Total	EOP		EOP	Average
	Residential	Customers	Annual	Usage
66,162,665	1,093	13,116	5,044	
75,371,336	1,745	20,940	3,599	
17,415,823	301	3,612	4,822	
<b>158,949,824</b>	<b>3,139</b>	<b>37,668</b>	<b>4,220</b>	



Carolina Water Service, Inc. of North Carolina  
Docket No. W-354, Sub 364  
For the 12 Months Ending March 31, 2019

Casselberry  
Exhibit No. 17  
Page 1 of 7

Public Staff's Recommended Rates Without CAM

CWSNC Water

Billing Type	Usage	Usage Rate	Usage Revenue	EOP Customers	EOP x 12 months	Base Charge	Base Charge Revenue	Total Revenue
<b>New Metered Residential (1)</b>								
5/8" Residential Metered (2)	1,428,480	8.56	12,228	62	744	24.52	18,243	30,471
5/8" Residential Metered (3)	8,040,960	8.56	68,831	349	4,188	24.52	102,690	171,520
<b>Total New Metered Resid.</b>	9,469,440		81,058	411	4,932		120,933	201,991
<b>Flat Residential</b>	-		-	16	192	55.18	10,595	10,595
<b>Metered Residential</b>								
5/8" Residential Metered	882,909,098	8.56	7,557,702	20,660	247,920	24.52	6,078,998	13,636,700
3/4" Residential Metered	9,980,113	8.56	85,430	321	3,852	24.52	94,451	179,881
1" Residential Metered	4,787,324	8.56	40,979	64	768	61.30	47,078	88,058
1.5" Residential Metered	4,673,119	8.56	40,002	35	420	122.60	51,492	91,494
2" Residential Metered	5,919,240	8.56	50,669	36	432	196.16	84,741	135,410
Irrigation	(497,490)	8.56	(4,259)	-	-	-	-	(4,259)
<b>Total Residential Metered</b>	907,771,404		7,770,523	21,116	253,392		6,356,761	14,127,284
<b>Metered Commercial</b>								
5/8" Commercial Metered	12,953,741	8.56	110,884	287	3,444	24.52	84,447	195,331
1" Commercial Metered	7,848,917	8.56	67,187	44	528	61.30	32,366	99,553
1.5" Commercial Metered	7,704,654	8.56	65,952	26	312	122.60	38,251	104,203
2" Commercial Metered	23,524,139	8.56	201,367	83	996	196.16	195,375	396,742
3" Commercial Metered	7,196,449	8.56	61,602	6	72	367.80	26,482	88,083

Carolina Water Service, Inc. of North Carolina  
 Docket No. W-354, Sub 364  
 For the 12 Months Ending March 31, 2019

Casselberry  
 Exhibit No. 17  
 Page 2 of 7

Public Staff's Recommended Rates Without CAM

CWSNC Water

Billing Type	Usage	Usage Rate	Usage Revenue	EOP Customers	EOP x 12 months	Base Charge	Base Charge Revenue	Total Revenue
4" Commercial Metered	935,270	8.56	8,006	1	12	613.00	7,356	15,362
6" Commercial Metered	3,899,200	8.56	33,377	2	24	1,226.00	29,424	62,801
<b>Total Commercial Metered</b>	64,062,370		548,374	449	5,388		413,701	962,075
<b>Irrigation</b>	497,490	4.23	2,104	-	-	-	-	2,104
<b>Availability</b>								
Linville Ridge (monthly)	-		-	48	576	12.70	7,315	7,315
Sapphire Valley (monthly)				734	8,808	9.40	82,795	82,795
Connestee (monthly)				427	5,124	4.95	25,364	25,364
<b>Total Uniform</b>	981,800,704		8,402,060	23,201	278,412		7,017,464	15,419,524

**Purchased water**

**Carolina Trace**

Billing Type	Usage	Usage Rate	Usage Revenue	EOP Customers	EOP x 12 months	Base Charge	Base Charge Revenue	Total Revenue
5/8" Residential Metered	61,635,224	2.21	136,214	1,610	19,320	24.52	473,726	609,940
1" Residential Metered	96,220	2.21	213	1	12	61.30	736	948
2" Residential Metered	10,000	2.21	22	1	12	196.16	2,354	2,376
<b>Total</b>	61,741,444		136,449	1,612		282	476,816	613,265

Carolina Water Service, Inc. of North Carolina  
 Docket No. W-354, Sub 364  
 For the 12 Months Ending March 31, 2019

Casselberry  
 Exhibit No. 17  
 Page 3 of 7

Public Staff's Recommended Rates Without CAM

**Purchased water**

**Carolina Trace**

Billing Type	Usage	Usage Rate	Usage Revenue	EOP Customers	EOP x 12 months	Base Charge	Base Charge Revenue	Total Revenue
5/8" Commercial Metered	1,667,530	2.21	3,685	26	312	24.52	7,650	11,335
1" Commercial Metered	60,850	2.21	134	1	12	61.30	736	870
1.5" Commercial Metered	570,000	2.21	1,260	1	12	122.60	1,471	2,731
2" Commercial Metered	1,861,400	2.21	4,114	2	24	196.16	4,708	8,822
<b>Total</b>	4,159,780		9,193	30	360		14,565	23,758
<b>Total</b>	65,901,224		145,642	1,642	360		491,381	637,023

**Carolina Forest**

Billing Type	Usage	Usage Rate	Usage Revenue	EOP Customers	EOP x 12 months	Base Charge	Base Charge Revenue	Total Revenue
5/8" Residential Metered	6,466,328	3.19	20,628	209	2,508	24.52	61,496	82,124
1" Residential Metered	9,490	3.19	30	1	12	61.30	736	766
<b>Total</b>	6,475,818		20,658	210	2,520		62,232	82,890
5/8" Commercial Metered	15,679	3.19	50	4	48	24.52	1,177	1,227
1" Commercial Metered	81,625	3.19	260	1	12	61.30	736	996
1.5" Commercial Metered	87,000	3.19	278	1	12	122.60	1,471	1,749
<b>Total</b>	184,304		588	6	72		3,384	3,972
Availability bi-annual			-	1,354	2,708	25.35	68,648	68,648
<b>Total</b>	6,660,122		21,246	1,570	5,300		134,263	155,509

Carolina Water Service, Inc. of North Carolina  
Docket No. W-354, Sub 364  
For the 12 Months Ending March 31, 2019

Casselberry  
Exhibit No. 17  
Page 4 of 7

Public Staff's Recommended Rates Without CAM

**High Vista Estates**

Billing Type	Usage	Usage Rate	Usage Revenue	EOP Customers	EOP x 12 months	Base Charge	Base Charge Revenue	Total Revenue
5/8" Residential Metered	10,611,338	3.40	36,079	234	2,808	24.52	68,852	104,931
1" Residential Metered	69,420	3.40	236	1	12	61.30	736	972
<b>Total</b>	10,680,758		36,315	235	2,820		69,588	105,902
5/8" Commercial Metered	343,860	3.40	1,169	3	36	24.52	883	2,052
2" Commercial Metered	295,900	3.40	1,006	1	12	196.16	2,354	3,360
<b>Total</b>	639,760		2,175	4	48		3,237	5,412
<b>Total</b>	11,320,518		38,490	239	2,868		72,824	111,314

**Riverpointe**

Billing Type	Usage	Usage Rate	Usage Revenue	EOP Customers	EOP x 12 months	Base Charge	Base Charge Revenue	Total Revenue
5/8" Residential Metered	14,072,170	6.48	91,188	190	2,280	24.52	55,906	147,093
1" Residential Metered	117,690	6.48	763	2	24	61.30	1,471	2,234
<b>Total</b>	14,189,860		91,950	192	2,304		57,377	149,327
5/8" Commercial Metered	711,550	6.48	4,611	5	60	24.52	1,471	6,082
<b>Total</b>	14,901,410		96,561	197	2,364		58,848	155,409

Carolina Water Service, Inc. of North Carolina  
 Docket No. W-354, Sub 364  
 For the 12 Months Ending March 31, 2019

Casselberry  
 Exhibit No. 17  
 Page 5 of 7

Public Staff's Recommended Rates Without CAM

**Whispering Pines**

Billing Type	Usage	Usage Rate	Usage Revenue	EOP Customers	EOP x 12 months	Base Charge	Base Charge Revenue	Total Revenue
5/8" Residential Metered	88,137,041	3.28	289,089	1,578	18,936	24.52	464,311	753,400
1" Residential Metered	1,322,684	3.28	4,338	15	180	61.30	11,034	15,372
<b>Total</b>	<b>89,459,725</b>		<b>293,428</b>	<b>1,593</b>	<b>19,116</b>		<b>475,345</b>	<b>768,773</b>
5/8" Commercial Metered	1,093,600	3.28	3,587	28	336	24.52	8,239	11,826
1" Commercial Metered	2,480,250	3.28	8,135	7	84	61.30	5,149	13,284
1.5" Commercial Metered	578,400	3.28	1,897	5	60	122.60	7,356	9,253
2" Commercial Metered	438,500	3.28	1,438	1	12	196.16	2,354	3,792
4" Commercial Metered	520	3.28	2	1	12	613.00	7,356	7,358
<b>Total</b>	<b>4,591,270</b>		<b>15,059</b>	<b>42</b>	<b>504</b>		<b>30,454</b>	<b>45,513</b>
<b>Total</b>	<b>94,050,995</b>		<b>308,487</b>	<b>1,635</b>	<b>19,620</b>		<b>505,799</b>	<b>814,286</b>

**White Oak Planation/Lee Forest/Winston Planation/Winston Point**

Billing Type	Usage	Usage Rate	Usage Revenue	EOP Customers	EOP x 12 months	Base Charge	Base Charge Revenue	Total Revenue
5/8" Residential Metered	26,041,717	2.65	69,011	590	7,080	24.52	173,602	242,612
3/4" Residential Metered	47,580	2.65	126	1	12	24.52	294	420
<b>Total</b>	<b>26,089,297</b>		<b>69,137</b>	<b>591</b>	<b>7,092</b>		<b>173,896</b>	<b>243,032</b>

Carolina Water Service, Inc. of North Carolina  
Docket No. W-354, Sub 364  
For the 12 Months Ending March 31, 2019

Casselberry  
Exhibit No. 17  
Page 6 of 7

Public Staff's Recommended Rates Without CAM

**White Oak Planation/Lee  
Forest/Winston  
Planation/Winston Point**

Billing Type	Usage Usage	Usage Rate	Usage Revenue	EOP Customers	EOP x 12 months	Base Charge	Base Charge Revenue	Total Revenue
1.5" Commercial Metered	193,800	2.65	514	1	12	122.60	1,471	1,985
<b>Total</b>	26,283,097		69,650	592	7,104		175,367	245,017

**Yorktown**

Billing Type	Usage Usage	Usage Rate	Usage Revenue	EOP Customers	EOP x 12 months	Base Charge	Base Charge Revenue	Total Revenue
<b>5/8" Residential Metered</b>	3,544,045	5.79	20,520	106	1,272	24.52	31,189	<b>51,709</b>

**Woodrun**

Billing Type	Usage Usage	Usage Rate	Usage Revenue	EOP Customers	EOP x 12 months	Base Charge	Base Charge Revenue	Total Revenue
5/8" Residential Metered	17,842,290	3.19	56,917	463	5,556	24.52	136,233	193,150
1" Residential Metered	18,980	3.19	61	1	12	61.30	736	796
<b>Total</b>	17,861,270		56,977	464	5,568		136,969	193,946
5/8" Commercial Metered	82,301	3.19	263	4	48	24.52	1,177	1,440
1" Commercial Metered	341,180	3.19	1,088	1	12	61.30	736	1,824
<b>Total</b>	423,481		1,351	5	60		1,913	3,263
<b>Total</b>	18,284,751		58,328	469	5,628		138,881	197,210

Carolina Water Service, Inc. of North Carolina  
 Docket No. W-354, Sub 364  
 For the 12 Months Ending March 31, 2019

Casselberry  
 Exhibit No. 17  
 Page 7 of 7

Public Staff's Recommended Rates Without CAM

**Zemosa Acres**

Billing Type	Usage	Usage Rate	Usage Revenue	EOP Customers	EOP x 12 months	Base Charge	Base Charge Revenue	Total Revenue
5/8" Residential Metered	11,502,007	5.41	62,226	243	2,916	24.52	71,500	133,726
3/4" Residential Metered	36,113	5.41	195	1	12	24.52	294	490
1" Residential Metered	87,915	5.41	476	3	36	61.30	2,207	2,682
<b>Total</b>	<b>11,626,035</b>		<b>62,897</b>	<b>247</b>	<b>2,964</b>		<b>74,001</b>	<b>136,898</b>
1" Commercial Metered	102,700	5.41	556	1	12	61.30	736	1,291
<b>Total</b>	<b>11,728,735</b>		<b>63,452</b>	<b>248</b>	<b>2,976</b>		<b>74,737</b>	<b>138,189</b>

**Riverbend**

Billing Type	Usage	Usage Rate	Usage Revenue	EOP Customers	EOP x 12 months	Base Charge	Base Charge Revenue	Total Revenue
<b>5/8" Residential Metered</b>	<b>5,872,416</b>	<b>7.50</b>	<b>44,043</b>	<b>141</b>	<b>1,692</b>	<b>24.52</b>	<b>41,488</b>	<b>85,531</b>
<b>TOTAL</b>	<b>1,240,348,017</b>		<b>9,268,480</b>	<b>30,040</b>	<b>327,596</b>		<b>8,742,242</b>	<b>18,010,722</b>

Notes

- 1 Estimated consumption 1,920 gallons per EOP customer per month
- 2 The Ridges at Mountain Harbour
- 3 Linville Ridge
- 4 Availability customers in Woodrun included with Carolina Forest availability customers



Carolina Water Service, Inc. of North Carolina  
Docket No. W-354, Sub 364  
For the 12 Months Ending March 31, 2019

Casselberry  
Exhibit No. 18  
Page 1 of 4

Public Staff's Recommended Rates Without CAM

CWSNC Sewer

Billing Type	Usage	Usage Rate	Usage Revenue	EOP Customers	EOP x 12 months	Base Charge	Base Charge Revenue	Total Revenue
Residential Flat, Sewer		-	-	2,074	24,888	73.50	1,829,333	1,829,333
5/8" Res Metered	376,017,839	7.95	2,989,342	10,347	124,164	47.84	5,940,006	8,929,348
1" Res Metered	1,109,385	7.95	8,820	26	312	47.84	14,926	23,746
1.5" Res Metered	4,204,519	7.95	33,426	-	-	47.84	-	33,426
2" Res Metered	2,022,291	7.95	16,077	2	24	47.84	1,148	17,225
Total	383,354,034		3,047,665	10,375	124,500		5,956,080	9,003,745
Multi-unit Flat rate		-	-	68	816	73.50	59,978	59,978
Commercial								
5/8" Commercial Metered	26,035,742	7.95	206,984	442	5,304	47.84	253,743	460,728
1" Commercial Metered	7,522,342	7.95	59,803	29	348	119.60	41,621	101,423
1.5" Commercial Metered	6,435,764	7.95	51,164	65	780	239.20	186,576	237,740
2" Commercial Metered	22,585,847	7.95	179,557	56	672	382.72	257,188	436,745
3" Commercial Metered	6,657,134	7.95	52,924	4	48	717.60	34,445	87,369
4" Commercial Metered	935,270	7.95	7,435	1	12	1,196.00	14,352	21,787
6" Commercial Metered	5,037,998	7.95	40,052	3	36	2,392.00	86,112	126,164
Total	75,210,097		597,920	600	7,200		874,037	1,471,957
Regalwood/White Oaks	-		-	1,041	12,492	73.50	918,194	918,194
White Oaks School	-		-	1	12	1,776.30	21,316	21,316

Carolina Water Service, Inc. of North Carolina  
 Docket No. W-354, Sub 364  
 For the 12 Months Ending March 31, 2019

Casselberry  
 Exhibit No. 18  
 Page 2 of 4

Public Staff's Recommended Rates Without CAM

Billing Type					Monthly		Base Charge	Base Charge Revenue	Total Revenue
	Usage	Usage Rate	Usage Revenue	Customers	Rate x 12	Charge			
Child Castle Daycare	-	-	-	1	12	227.72	2,733	2,733	
<b>Availability Connettee</b>	-	-	-	218	2,616	5.70	14,911	14,911	
<b>Availability Sapphire Valley</b>				87	1,044	10.10	10,544	10,544	
<b>Total</b>	<b>458,564,131</b>		<b>3,645,585</b>	<b>14,465</b>	<b>173,580</b>		<b>9,687,126</b>	<b>13,332,711</b>	

Purchased Sewer

Billing Type					EOP		Base Charge	Base Charge Revenue	Total Revenue
	Usage	Usage Rate	Usage Revenue	Customers	x 12 months	Charge			
<b>Mount Carmel</b>	12,373,183	6.32	78,199	392	4,704	40.78	191,820	<b>270,018</b>	
<b>College Park</b>									
Residential Flat, Sewer only	-	-	-	1	12	73.50	882	882	
5/8" Residential Metered	2,380,496	7.33	17,449	50	600	33.49	20,093	37,542	
<b>Total</b>	2,380,496		-	51	612		20,975	<b>38,424</b>	
<b>Kings Grant</b>									
5/8" Residential Metered	8,157,700	3.98	32,468	177	2,124	33.49	71,129	103,596	
1" Res Metered	191,540	3.98	762	1	12	33.49	402	1,164	
<b>Total</b>	8,349,240		33,230	178	2,136		71,530	<b>104,760</b>	
<b>White Oak Plantation/Lee Forest/Winston Pointe</b>									
5/8" Residential Metered	21,287,437	5.57	118,571	499	5,988	33.49	200,526	<b>319,097</b>	

Carolina Water Service, Inc. of North Carolina  
Docket No. W-354, Sub 364  
For the 12 Months Ending March 31, 2019

Casselberry  
Exhibit No. 18  
Page 3 of 4

Public Staff's Recommended Rates Without CAM

Billing Type	Usage	Usage Rate	Usage Revenue	EOP Customers	EOP x 12 months	Base Charge	Base Charge Revenue	Total Revenue
<b>Fairfield Mountain</b>								
5/8" Res. Collection/Treatm.	-		-	405	4,860	102.99	500,522	500,522
1" Res Collection/Treatm.	-		-	12	144	102.99	14,830	14,830
Residential Collection	-		-	417	5,004		515,352	515,352
ww only f/t	-	13.93	-	2	24	102.99	2,472	2,472
Small Commercial	210,600	13.93	2,933.66	4	48	78.50	3,768	6,702
Medium Commercial	2,575,390	13.93	35,875.18	18	216	139.50	30,132	66,007
Large Commercial	159,880	13.93	2,227.13	1	12	219.50	2,634	4,861
Nonresidential Metered	2,945,870		41,035.97	25.00	300.00		39,005.71	80,041.68
<b>Total</b>	2,945,870		41,036	442	5,304		554,358	595,394

Billing Type	Usage	Usage Rate	Usage Revenue	EOP Customers	EOP x 12 months	Base Charge	Base Charge Revenue	Total Revenue
<b>The Ridges at Mountain Harbour</b>								
5/8" Res Collection/Treatm			-	46	552	51.91	28,653	28,653
5/8" Comm Collection/Treatm			-	1	12	51.91	623	623
2" Comm Collection/Treatm			-	1	12	180.85	2,170	2,170
<b>Total</b>				48	576		31,446	31,446

Carolina Water Service, Inc. of North Carolina  
Docket No. W-354, Sub 364  
For the 12 Months Ending March 31, 2019

Casselberry  
Exhibit No. 18  
Page 4 of 4

Public Staff's Recommended Rates Without CAM

Billing Type	Usage	Usage Rate	Usage Revenue	EOP Customers	EOP x 12 months	Base Charge	Base Charge Revenue	Total Revenue
<b>CL/MS</b>								
5/8" Residential Sewer	42,481,350	7.95	337,727	782	9,384	47.84	448,931	786,657
1" Residential Sewer	9,724,907	7.95	77,313	87	1,044	47.84	49,945	127,258
<b>Total</b>	<b>52,206,257</b>		<b>415,040</b>	<b>869</b>	<b>10,428</b>		<b>498,876</b>	<b>913,915</b>
5/8" Commercial Sewer	6,202,979	7.95	49,314	67	804	47.84	38,463	87,777
1" Commercial Sewer	3,105,710	7.95	24,690	19	228	119.60	27,269	51,959
1.5" Commercial Sewer	680,757	7.95	5,412	2	24	239.20	5,741	11,153
2" Commercial Sewer	501,007	7.95	3,983	2	24	382.72	9,185	13,168
3" Commercial Sewer	68,000	7.95	541	1	12	717.60	8,611	9,152
<b>Total</b>	<b>10,558,453</b>		<b>83,940</b>	<b>91</b>	<b>1,092</b>		<b>89,269</b>	<b>173,209</b>
<b>Total</b>	<b>62,764,710</b>		<b>498,979</b>	<b>960</b>	<b>11,520</b>		<b>588,145</b>	<b>1,087,124</b>
<b>TOTAL</b>	<b>568,665,067</b>		<b>4,415,600</b>	<b>17,035</b>	<b>204,420</b>		<b>11,345,926</b>	<b>15,778,975</b>



Carolina Water Service, Inc. of North Carolina  
Docket No. W-354, Sub 364  
For the 12 Months March 31, 2019

Casselberry  
Exhibit No. 19  
Page 1 of 1

**Public Staff's Recommended Rates Without CAM**

WATER

**Treasure Cove/Bradfield Farms/Fairfield Harbour/Silverton**

Billing Type	Usage	Usage Rate	Usage Revenue	EOP Customers	EOP x 12 months	Base Charge	Base Charge Revenue	Total Revenue
5/8" Residential Metered	152,700,104	4.15	633,705	3,111	37,332	14.01	523,021	1,156,727
3/4" Residential Metered	6,256,905	4.15	25,966	100	1,200	14.01	16,812	42,778
1" Residential Metered	128,930	4.15	535	1	12	35.03	420	955
2" Residential Metered	109,100	4.15	453	1	12	112.08	1,345	1,798
<b>Total Residential Metered</b>	159,195,039		660,659	3,213	38,556		541,599	1,202,258
5/8" Commercial Metered	1,284,790	4.15	5,332	23	276	14.01	3,867	9,199
1" Commercial Metered	257,676	4.15	1,069	6	72	35.03	2,522	3,591
1.5" Commercial Metered	374,574	4.15	1,554	2	24	70.05	1,681	3,236
2" Commercial Metered	163,407	4.15	678	3	36	112.08	4,035	4,713
<b>Total Commercial Metered</b>	2,080,447		8,634	34	408		12,105	20,738
Availability				969	11,628	3.30	38,372	38,372
<b>Total</b>	161,275,486		669,293	4,216	50,592		592,076	<b>1,261,369</b>



Carolina Water Service, Inc. of North Carolina  
 Docket No. W-354, Sub 364  
 For the 12 Months Ending March 31, 2019

Casselberry  
 Exhibit No. 20  
 Page 1 of 1

**Public Staff's Recommended Rates Without CAM**

**Sewer**

**Fairfield Harbour/Bradfield Farms/Silverton**

Billing Type	Usage	Usage Rate	Usage Revenue	EOP Customers	EOP x 12 months	Base Charge	Base Charge Revenue	Total Revenue
Residential Flat				165	1,980	49.78	98,567	98,567
5/8" Residential Flat (meteres)				2,828	33,936	49.78	1,689,374	1,689,374
Bulk Sewer				386	4,632	49.78	230,586	230,586
<b>Total Residential</b>				<b>3,379</b>	<b>40,548</b>		<b>2,018,527</b>	<b>2,018,527</b>
5/8" Commercial Metered	952,000	3.73	3,551	16	192	34.38	6,601	10,152
1" Commercial Metered	170,286	3.73	635	2	24	85.95	2,063	2,698
1.5" Commercial Metered	374,574	3.73	1,397	2	24	171.90	4,126	5,523
2" Commercial Metered	7	3.73	0	1	12	275.04	3,300	3,301
<b>Total Commercial</b>	<b>1,496,867</b>		<b>5,583</b>	<b>21</b>	<b>252</b>		<b>16,090</b>	<b>21,673</b>
<b>Total</b>				<b>3,400</b>	<b>40,800</b>		<b>2,034,617</b>	<b>2,040,200</b>
Availability				969	11,628	2.70	31,396	31,396
<b>Total</b>				<b>4,369</b>	<b>52,428</b>		<b>2,066,012</b>	<b>2,071,596</b>



Public Staff Recommended Rates With CAM

CWSNC Water

Billing Type	Usage	Usage Rate	Usage Revenue	EOP Customers	EOP x 12 months	Base Charge	Base Charge Revenue	Total Revenue
<b>New Metered Residential (1)</b>								
5/8" Residential Metered (2)	1,428,480	11.26	16,085	62	744	16.92	12,588	28,673
5/8" Residential Metered (3)	8,040,960	11.26	90,541	349	4,188	16.92	70,861	161,402
<b>Total New Metered Resid.</b>	9,469,440		106,626	411	4,932		83,449	190,075
<b>Flat Residential</b>	-		-	16	192	57.25	10,993	10,993
<b>Metered Residential</b>								
5/8" Residential Metered	882,909,098	11.26	9,941,556	20,660	247,920	16.92	4,194,806	14,136,363
3/4" Residential Metered	9,980,113	11.26	112,376	321	3,852	16.92	65,176	177,552
1" Residential Metered	4,787,324	11.26	53,905	64	768	42.30	32,486	86,392
1.5" Residential Metered	4,673,119	11.26	52,619	35	420	84.60	35,532	88,151
2" Residential Metered	5,919,240	11.26	66,651	36	432	135.36	58,476	125,126
Irrigation	(497,490)	11.26	(5,602)	-	-	-	-	(5,602)
<b>Total Residential Metered</b>	907,771,404		10,221,506	21,116	253,392		4,386,476	14,607,982
<b>Metered Commercial</b>								
5/8" Commercial Metered	12,953,741	11.26	145,859	287	3,444	16.92	58,272	204,132
1" Commercial Metered	7,848,917	11.26	88,379	44	528	42.30	22,334	110,713
1.5" Commercial Metered	7,704,654	11.26	86,754	26	312	84.60	26,395	113,150
2" Commercial Metered	23,524,139	11.26	264,882	83	996	135.36	134,819	399,700
3" Commercial Metered	7,196,449	11.26	81,032	6	72	253.80	18,274	99,306

Carolina Water Service, Inc. of North Carolina  
 Docket No. W-354, Sub 364  
 For the 12 Months Ending March 31, 2019

Casselberry  
 Exhibit No. 21  
 Page 2 of 7

Public Staff Recommended Rates With CAM

CWSNC Water

Billing Type	Usage	Usage Rate	Usage Revenue	EOP Customers	EOP x 12 months	Base Charge	Base Charge Revenue	Total Revenue
4" Commercial Metered	935,270	11.26	10,531	1	12	423.00	5,076	15,607
6" Commercial Metered	3,899,200	11.26	43,905	2	24	846.00	20,304	64,209
<b>Total Commercial Metered</b>	64,062,370		721,342	449	5,388		285,474	1,006,817
<b>Irrigation</b>	497,490	4.23	2,104	-	-	-	-	2,104
<b>Availability</b>								
Linville Ridge (monthly)	-		-	48	576	12.70	7,315	7,315
Sapphire Valley (monthly)				734	8,808	9.40	82,795	82,795
Connetsee (monthly)				427	5,124	4.95	25,364	25,364
<b>Total Uniform</b>	981,800,704		11,051,579	23,201	278,412		4,881,867	15,933,445

**Purchased water**

**Carolina Trace**

Billing Type	Usage	Usage Rate	Usage Revenue	EOP Customers	EOP x 12 months	Base Charge	Base Charge Revenue	Total Revenue
5/8" Residential Metered	61,635,224	2.21	136,214	1,610	19,320	16.92	326,894	463,108
1" Residential Metered	96,220	2.21	213	1	12	42.30	508	720
2" Residential Metered	10,000	2.21	22	1	12	135.36	1,624	1,646
<b>Total</b>	61,741,444		136,449	1,612		195	329,026	465,475

Carolina Water Service, Inc. of North Carolina  
Docket No. W-354, Sub 364  
For the 12 Months Ending March 31, 2019

Casselberry  
Exhibit No. 21  
Page 3 of 7

Public Staff Recommended Rates With CAM

**Purchased water**

**Carolina Trace**

Billing Type	Usage	Usage Rate	Usage Revenue	EOP Customers	EOP x 12 months	Base Charge	Base Charge Revenue	Total Revenue
5/8" Commercial Metered	1,667,530	2.21	3,685	26	312	16.92	5,279	8,964
1" Commercial Metered	60,850	2.21	134	1	12	42.30	508	642
1.5" Commercial Metered	570,000	2.21	1,260	1	12	84.60	1,015	2,275
2" Commercial Metered	1,861,400	2.21	4,114	2	24	135.36	3,249	7,362
<b>Total</b>	<b>4,159,780</b>		<b>9,193</b>	<b>30</b>	<b>360</b>		<b>10,050</b>	<b>19,244</b>
<b>Total</b>	<b>65,901,224</b>		<b>145,642</b>	<b>1,642</b>	<b>360</b>		<b>339,077</b>	<b>484,719</b>

**Carolina Forest**

Billing Type	Usage	Usage Rate	Usage Revenue	EOP Customers	EOP x 12 months	Base Charge	Base Charge Revenue	Total Revenue
5/8" Residential Metered	6,466,328	3.19	20,628	209	2,508	16.92	42,435	63,063
1" Residential Metered	9,490	3.19	30	1	12	42.30	508	538
<b>Total</b>	<b>6,475,818</b>		<b>20,658</b>	<b>210</b>	<b>2,520</b>		<b>42,943</b>	<b>63,601</b>
5/8" Commercial Metered	15,679	3.19	50	4	48	16.92	812	862
1" Commercial Metered	81,625	3.19	260	1	12	42.30	508	768
1.5" Commercial Metered	87,000	3.19	278	1	12	84.60	1,015	1,293
<b>Total</b>	<b>184,304</b>		<b>588</b>	<b>6</b>	<b>72</b>		<b>2,335</b>	<b>2,923</b>
Availability bi-annual			-	1,354	2,708	25.35	68,648	68,648
<b>Total</b>	<b>6,660,122</b>		<b>21,246</b>	<b>1,570</b>	<b>5,300</b>		<b>113,926</b>	<b>135,172</b>

Carolina Water Service, Inc. of North Carolina  
Docket No. W-354, Sub 364  
For the 12 Months Ending March 31, 2019

Casselberry  
Exhibit No. 21  
Page 4 of 7

Public Staff Recommended Rates With CAM

**High Vista Estates**

Billing Type	Usage	Usage Rate	Usage Revenue	EOP Customers	EOP x 12 months	Base Charge	Base Charge Revenue	Total Revenue
5/8" Residential Metered	10,611,338	3.40	36,079	234	2,808	16.92	47,511	83,590
1" Residential Metered	69,420	3.40	236	1	12	42.30	508	744
<b>Total</b>	10,680,758		36,315	235	2,820		48,019	84,334
5/8" Commercial Metered	343,860	3.40	1,169	3	36	16.92	609	1,778
2" Commercial Metered	295,900	3.40	1,006	1	12	135.36	1,624	2,630
<b>Total</b>	639,760		2,175	4	48		2,233	4,409
<b>Total</b>	11,320,518		38,490	239	2,868		50,252	88,742

**Riverpointe**

Billing Type	Usage	Usage Rate	Usage Revenue	EOP Customers	EOP x 12 months	Base Charge	Base Charge Revenue	Total Revenue
5/8" Residential Metered	14,072,170	6.48	91,188	190	2,280	16.92	38,578	129,765
1" Residential Metered	117,690	6.48	763	2	24	42.30	1,015	1,778
<b>Total</b>	14,189,860		91,950	192	2,304		39,593	131,543
5/8" Commercial Metered	711,550	6.48	4,611	5	60	16.92	1,015	5,626
<b>Total</b>	14,901,410		96,561	197	2,364		40,608	137,169

Carolina Water Service, Inc. of North Carolina  
Docket No. W-354, Sub 364  
For the 12 Months Ending March 31, 2019

Casselberry  
Exhibit No. 21  
Page 5 of 7

Public Staff Recommended Rates With CAM

**Whispering Pines**

Billing Type	Usage	Usage Rate	Usage Revenue	EOP Customers	EOP x 12 months	Base Charge	Base Charge Revenue	Total Revenue
5/8" Residential Metered	88,137,041	3.28	289,089	1,578	18,936	16.92	320,397	609,487
1" Residential Metered	1,322,684	3.28	4,338	15	180	42.30	7,614	11,952
<b>Total</b>	<b>89,459,725</b>		<b>293,428</b>	<b>1,593</b>	<b>19,116</b>		<b>328,011</b>	<b>621,439</b>
5/8" Commercial Metered	1,093,600	3.28	3,587	28	336	16.92	5,685	9,272
1" Commercial Metered	2,480,250	3.28	8,135	7	84	42.30	3,553	11,688
1.5" Commercial Metered	578,400	3.28	1,897	5	60	84.60	5,076	6,973
2" Commercial Metered	438,500	3.28	1,438	1	12	135.36	1,624	3,063
4" Commercial Metered	520	3.28	2	1	12	423.00	5,076	5,078
<b>Total</b>	<b>4,591,270</b>		<b>15,059</b>	<b>42</b>	<b>504</b>		<b>21,015</b>	<b>36,074</b>
<b>Total</b>	<b>94,050,995</b>		<b>308,487</b>	<b>1,635</b>	<b>19,620</b>		<b>349,026</b>	<b>657,513</b>

**White Oak Planation/Lee Forest/Winston Planation/Winston Point**

Billing Type	Usage	Usage Rate	Usage Revenue	EOP Customers	EOP x 12 months	Base Charge	Base Charge Revenue	Total Revenue
5/8" Residential Metered	26,041,717	2.65	69,011	590	7,080	16.92	119,794	188,804
3/4" Residential Metered	47,580	2.65	126	1	12	16.92	203	329
<b>Total</b>	<b>26,089,297</b>		<b>69,137</b>	<b>591</b>	<b>7,092</b>		<b>119,997</b>	<b>189,133</b>

Carolina Water Service, Inc. of North Carolina  
Docket No. W-354, Sub 364  
For the 12 Months Ending March 31, 2019

Casselberry  
Exhibit No. 21  
Page 6 of 7

Public Staff Recommended Rates With CAM

**White Oak Planation/Lee  
Forest/Winston  
Planation/Winston Point**

Billing Type	Usage	Usage Rate	Usage Revenue	EOP Customers	EOP x 12 months	Base Charge	Base Charge Revenue	Total Revenue
1.5" Commercial Metered	193,800	2.65	514	1	12	84.60	1,015	1,529
<b>Total</b>	<b>26,283,097</b>		<b>69,650</b>	<b>592</b>	<b>7,104</b>		<b>121,012</b>	<b>190,662</b>

**Yorktown**

Billing Type	Usage	Usage Rate	Usage Revenue	EOP Customers	EOP x 12 months	Base Charge	Base Charge Revenue	Total Revenue
<b>5/8" Residential Metered</b>	<b>3,544,045</b>	<b>5.79</b>	<b>20,520</b>	<b>106</b>	<b>1,272</b>	<b>16.92</b>	<b>21,522</b>	<b>42,042</b>

**Woodrun**

Billing Type	Usage	Usage Rate	Usage Revenue	EOP Customers	EOP x 12 months	Base Charge	Base Charge Revenue	Total Revenue
5/8" Residential Metered	17,842,290	3.19	56,917	463	5,556	16.92	94,008	150,924
1" Residential Metered	18,980	3.19	61	1	12	42.30	508	568
<b>Total</b>	<b>17,861,270</b>		<b>56,977</b>	<b>464</b>	<b>5,568</b>		<b>94,515</b>	<b>151,493</b>
5/8" Commercial Metered	82,301	3.19	263	4	48	16.92	812	1,075
1" Commercial Metered	341,180	3.19	1,088	1	12	42.30	508	1,596
<b>Total</b>	<b>423,481</b>		<b>1,351</b>	<b>5</b>	<b>60</b>		<b>1,320</b>	<b>2,671</b>
<b>Total</b>	<b>18,284,751</b>		<b>58,328</b>	<b>469</b>	<b>5,628</b>		<b>95,835</b>	<b>154,163</b>

Public Staff Recommended Rates With CAM

**Zemosa Acres**

Billing Type	Usage	Usage Rate	Usage Revenue	EOP Customers	EOP x 12 months	Base Charge	Base Charge Revenue	Total Revenue
5/8" Residential Metered	11,502,007	5.41	62,226	243	2,916	16.92	49,339	111,565
3/4" Residential Metered	36,113	5.41	195	1	12	16.92	203	398
1" Residential Metered	87,915	5.41	476	3	36	42.30	1,523	1,998
<b>Total</b>	<b>11,626,035</b>		<b>62,897</b>	<b>247</b>	<b>2,964</b>		<b>51,065</b>	<b>113,961</b>
1" Commercial Metered	102,700	5.41	556	1	12	42.30	508	1,063
<b>Total</b>	<b>11,728,735</b>		<b>63,452</b>	<b>248</b>	<b>2,976</b>		<b>51,572</b>	<b>115,025</b>

**Riverbend**

Billing Type	Usage	Usage Rate	Usage Revenue	EOP Customers	EOP x 12 months	Base Charge	Base Charge Revenue	Total Revenue
<b>5/8" Residential Metered</b>	<b>5,872,416</b>	<b>7.50</b>	<b>44,043</b>	<b>141</b>	<b>1,692</b>	<b>16.92</b>	<b>28,629</b>	<b>72,672</b>
<b>TOTAL</b>	<b>1,240,348,017</b>		<b>11,917,998</b>	<b>30,040</b>	<b>327,596</b>		<b>6,093,325</b>	<b>18,011,324</b>

Notes

- 1 Estimated consumption 1,920 gallons per EOP customer per month
- 2 The Ridges at Mountain Harbour
- 3 Linville Ridge
- 4 Availability customers in Woodrun included with Carolina Forest availability customers



Carolina Water Service, Inc. of North Carolina  
Docket No. W-354, Sub 364  
For the 12 Months Ending March 31, 2019

Casselberry  
Exhibit No. 22  
Page 1 of 4

Public Staff's Recommended Rates With CAM

CWSNC Sewer

Billing Type	Usage	Usage Rate	Usage Revenue	EOP Customers	EOP x 12 months	Base Charge	Base Charge Revenue	Total Revenue
Residential Flat, Sewer		-	-	2,074	24,888	73.77	1,836,027	1,836,027
5/8" Res Metered	376,017,839	10.27	3,861,703	10,347	124,164	40.62	5,043,542	8,905,245
1" Res Metered	1,109,385	10.27	11,393	26	312	40.62	12,673	24,067
1.5" Res Metered	4,204,519	10.27	43,180	-	-	40.62	-	43,180
2" Res Metered	2,022,291	10.27	20,769	2	24	40.62	975	21,744
Total	383,354,034		3,937,046	10,375	124,500		5,057,190	8,994,236
Multi-unit Flat rate		-	-	68	816	73.77	60,198	60,198
Commercial								
5/8" Commercial Metered	26,035,742	10.27	267,387	442	5,304	40.62	215,448	482,836
1" Commercial Metered	7,522,342	10.27	77,254	29	348	101.55	35,339	112,594
1.5" Commercial Metered	6,435,764	10.27	66,095	65	780	203.10	158,418	224,513
2" Commercial Metered	22,585,847	10.27	231,957	56	672	324.96	218,373	450,330
3" Commercial Metered	6,657,134	10.27	68,369	4	48	609.30	29,246	97,615
4" Commercial Metered	935,270	10.27	9,605	1	12	1,015.50	12,186	21,791
6" Commercial Metered	5,037,998	10.27	51,740	3	36	2,031.00	73,116	124,856
Total	75,210,097		772,408	600	7,200		742,127	1,514,535
Regalwood/White Oaks	-		-	1,041	12,492	73.77	921,554	921,554
White Oaks School	-		-	1	12	1,508.22	18,099	18,099

Carolina Water Service, Inc. of North Carolina  
Docket No. W-354, Sub 364  
For the 12 Months Ending March 31, 2019

Casselberry  
Exhibit No. 22  
Page 2 of 4

Public Staff's Recommended Rates With CAM

Billing Type					Monthly		Base Charge	Base Charge Revenue	Total Revenue
	Usage	Usage Rate	Usage Revenue	Customers	Rate x 12	Charge			
Child Castle Daycare	-		-	1	12	193.35	2,320	2,320	
<b>Availability Connettee</b>	-	-	-	218	2,616	5.70	14,911	14,911	
<b>Availability Sapphire Valley</b>				87	1,044	10.10	10,544	10,544	
<b>Total</b>	<b>458,564,131</b>		<b>4,709,454</b>	<b>14,465</b>	<b>173,580</b>		<b>8,662,970</b>	<b>13,372,424</b>	

Purchased Sewer

Billing Type					EOP		Base Charge	Base Charge Revenue	Total Revenue
	Usage	Usage Rate	Usage Revenue	Customers	x 12 months	Charge			
<b>Mount Carmel</b>	12,373,183	6.32	78,199	392	4,704	35.72	168,046	<b>246,244</b>	
<b>College Park</b>									
Residential Flat, Sewer only	-	-	-	1	12	73.77	885	885	
5/8" Residential Metered	2,380,496	7.33	17,449	50	600	28.43	17,060	34,509	
<b>Total</b>	2,380,496		-	51	612		17,946	<b>35,395</b>	
<b>Kings Grant</b>									
5/8" Residential Metered	8,157,700	3.98	32,468	177	2,124	28.43	60,394	92,861	
1" Res Metered	191,540	3.98	762	1	12	28.43	341	1,104	
<b>Total</b>	8,349,240		33,230	178	2,136		60,735	<b>93,965</b>	
<b>White Oak Plantation/Lee Forest/Winston Pointe</b>									
5/8" Residential Metered	21,287,437	5.57	118,571	499	5,988	28.43	170,263	<b>288,834</b>	

Carolina Water Service, Inc. of North Carolina  
Docket No. W-354, Sub 364  
For the 12 Months Ending March 31, 2019

Casselberry  
Exhibit No. 22  
Page 3 of 4

Public Staff's Recommended Rates With CAM

Billing Type	Usage	Usage Rate	Usage Revenue	EOP Customers	EOP x 12 months	Base Charge	Base Charge Revenue	Total Revenue
<b>Fairfield Mountain</b>								
5/8" Res. Collection/Treatm.	-		-	405	4,860	97.93	475,959	475,959
1" Res Collection/Treatm.	-		-	12	144	97.93	14,102	14,102
Residential Collection	-		-	417	5,004		490,062	490,062
ww only f/t	-	13.93	-	2	24	97.93	2,350	2,350
Small Commercial	210,600	13.93	2,933.66	4	48	78.50	3,768	6,702
Medium Commercial	2,575,390	13.93	35,875.18	18	216	139.50	30,132	66,007
Large Commercial	159,880	13.93	2,227.13	1	12	219.50	2,634	4,861
Nonresidential Metered	2,945,870		41,035.97	25.00	300.00		38,884.42	79,920.39
<b>Total</b>	2,945,870		41,036	442	5,304		528,946	569,982

Billing Type	Usage	Usage Rate	Usage Revenue	EOP Customers	EOP x 12 months	Base Charge	Base Charge Revenue	Total Revenue
<b>The Ridges at Mountain Harbour</b>								
5/8" Res Collection/Treatm			-	46	552	46.85	25,863	25,863
5/8" Comm Collection/Treatm			-	1	12	46.85	562	562
2" Comm Collection/Treatm			-	1	12	175.79	2,110	2,110
<b>Total</b>				48	576		28,535	28,535

Carolina Water Service, Inc. of North Carolina  
 Docket No. W-354, Sub 364  
 For the 12 Months Ending March 31, 2019

Casselberry  
 Exhibit No. 22  
 Page 4 of 4

Public Staff's Recommended Rates With CAM

Billing Type	Usage	Usage Rate	Usage Revenue	EOP Customers	EOP x 12 months	Base Charge	Base Charge Revenue	Total Revenue
<b>CL/MS</b>								
5/8" Residential Sewer	42,481,350	10.27	436,283	782	9,384	40.62	381,178	817,462
1" Residential Sewer	9,724,907	10.27	99,875	87	1,044	40.62	42,407	142,282
<b>Total</b>	<b>52,206,257</b>		<b>536,158</b>	<b>869</b>	<b>10,428</b>		<b>423,585</b>	<b>959,744</b>
5/8" Commercial Sewer	6,202,979	10.27	63,705	67	804	40.62	32,658	96,363
1" Commercial Sewer	3,105,710	10.27	31,896	19	228	101.55	23,153	55,049
1.5" Commercial Sewer	680,757	10.27	6,991	2	24	203.10	4,874	11,866
2" Commercial Sewer	501,007	10.27	5,145	2	24	324.96	7,799	12,944
3" Commercial Sewer	68,000	10.27	698	1	12	609.30	7,312	8,010
<b>Total</b>	<b>10,558,453</b>		<b>108,435</b>	<b>91</b>	<b>1,092</b>		<b>75,797</b>	<b>184,232</b>
<b>Total</b>	<b>62,764,710</b>		<b>644,594</b>	<b>960</b>	<b>11,520</b>		<b>499,382</b>	<b>1,143,976</b>
<b>TOTAL</b>	<b>568,665,067</b>		<b>5,625,083</b>	<b>17,035</b>	<b>204,420</b>		<b>10,136,823</b>	<b>15,779,355</b>



Carolina Water Service, Inc. of North Carolina  
Docket No. W-354, Sub 364  
For the 12 Months March 31, 2019

Casselberry  
Exhibit No. 23  
Page 1 of 1

**Public Staff's Recommended Rates With CAM**

WATER

**Treasure Cove/Bradfield Farms/Fairfield Harbour/Silverton**

Billing Type	Usage	Usage Rate	Usage Revenue	EOP Customers	EOP x 12 months	Base Charge	Base Charge Revenue	Total Revenue
5/8" Residential Metered	152,700,104	5.29	807,784	3,111	37,332	9.36	349,428	1,157,211
3/4" Residential Metered	6,256,905	5.29	33,099	100	1,200	9.36	11,232	44,331
1" Residential Metered	128,930	5.29	682	1	12	23.40	281	963
2" Residential Metered	109,100	5.29	577	1	12	74.88	899	1,476
<b>Total Residential Metered</b>	159,195,039		842,142	3,213	38,556		361,839	1,203,981
5/8" Commercial Metered	1,284,790	5.29	6,797	23	276	9.36	2,583	9,380
1" Commercial Metered	257,676	5.29	1,363	6	72	23.40	1,685	3,048
1.5" Commercial Metered	374,574	5.29	1,981	2	24	46.80	1,123	3,105
2" Commercial Metered	163,407	5.29	864	3	36	74.88	2,696	3,560
<b>Total Commercial Metered</b>	2,080,447		11,006	34	408		8,087	19,093
Availability				969	11,628	3.30	38,372	38,372
<b>Total</b>	161,275,486		853,147	4,216	50,592		408,298	<b>1,261,446</b>



Carolina Water Service, Inc. of North Carolina  
 Docket No. W-354, Sub 364  
 For the 12 Months Ending March 31, 2019

Casselberry  
 Exhibit No. 24  
 Page 1 of 1

**Public Staff's Recommended Rates With CAM**

**Sewer**

**Fairfield Harbour/Bradfield Farms/Silverton**

Billing Type	Usage	Usage Rate	Usage Revenue	EOP Customers	EOP x 12 months	Base Charge	Base Charge Revenue	Total Revenue
Residential Flat				165	1,980	49.80	98,603	98,603
5/8" Residential Flat (meteres)				2,828	33,936	49.80	1,689,997	1,689,997
Bulk Sewer				386	4,632	49.80	230,671	230,671
<b>Total Residential</b>				<b>3,379</b>	<b>40,548</b>		<b>2,019,271</b>	<b>2,019,271</b>
5/8" Commercial Metered	952,000	4.88	4,646	16	192	29.65	5,693	10,339
1" Commercial Metered	170,286	4.88	831	2	24	74.13	1,779	2,610
1.5" Commercial Metered	374,574	4.88	1,828	2	24	148.25	3,558	5,386
2" Commercial Metered	7	4.88	0	1	12	237.20	2,846	2,846
<b>Total Commercial</b>	<b>1,496,867</b>		<b>7,305</b>	<b>21</b>	<b>252</b>		<b>13,876</b>	<b>21,181</b>
<b>Total</b>				<b>3,400</b>	<b>40,800</b>		<b>2,033,147</b>	<b>2,040,452</b>
Availability				969	11,628	2.70	31,396	31,396
<b>Total</b>				<b>4,369</b>	<b>52,428</b>		<b>2,064,543</b>	<b>2,071,847</b>





Carolina Water Service Inc., of North Carolina  
 Docket No. W-354, Sub 344  
 For the 12 Months Ending June 30, 2015

Casselberry  
 Exhibit No. 25  
 Page 2 of 4

AVAILABILITY RATES (semi-annual):

Applicable only to property owners in Carolina Forest and Woodrun Subdivision in Montgomery County	\$ 24.65	\$ 24.65	\$ 25.35
--	----------	----------	----------

AVAILABILITY RATES (monthly):

Applicable only to property owners in Linville Ridge Subdivision	\$ 12.35	\$ 12.35	\$ 12.70
--	----------	----------	----------

AVAILABILITY RATES (monthly):

Applicable only to property owners in Fairfield Sapphire Valley Service Area	\$ 9.10	\$ 9.10	\$ 9.40
--	---------	---------	---------

AVAILABILITY RATES (monthly):

Applicable only to property owners in Conestee Falls	\$ 4.80	\$ 4.80	\$ 4.95
--	---------	---------	---------

**SEWER RATES AND CHARGES**

**UNIFORM SEWER SERVICE**

MONTHLY METERED SEWER SERVICE:

Base Facilities Charges

	<u>Existing</u>	<u>Proposed</u>	<u>Public Staff's Recommend</u>
Residential (zero usage)	\$ 46.31	\$ 59.67	\$ 47.84
Commercial (zero usage)			
< 1" meter	\$ 46.31	\$ 59.67	\$ 47.84
1" meter	\$ 115.78	\$ 149.18	\$ 119.60
1-1/2" meter	\$ 231.55	\$ 298.35	\$ 239.20
2" meter	\$ 370.48	\$ 477.36	\$ 382.72
3" meter	\$ 694.65	\$ 895.05	\$ 717.60
4" meter	\$1,157.75	\$1,491.75	\$1,196.00
6" meter	\$2,315.50	\$2,983.50	\$2,392.00
Usage Charge, per 1,000 gallons	\$ 3.62	\$ 5.80	\$ 7.95
<b><u>AVERAGE RESIDENTIAL BILL (based on 3,228 gallons)</u></b>	<b>\$ 58.00</b>	<b>\$ 78.39</b>	<b>\$ 73.50</b>

MONTHLY METERED PURCHASED SEWER SERVICE:

Collection charge (Residential and Commercial/SFE)	\$ 31.63	\$ 40.78	\$ 33.49
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 Pt./Lee			
Forest/Winston Pt.	Johnston County	\$ 5.06	\$ 5.57
Kings Grant	Two Rivers Utilities	\$ 3.80	\$ 3.98
College Park	Town of Dallas	\$ 5.70	\$ 7.33

<u>MONTHLY FLAT RATE SERVICE:</u>	\$ 57.82	\$ 79.46	\$ 73.50
-----------------------------------	----------	----------	----------

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

MT CARMEL SUBDIVISION SERVICE AREAS:

	<u>Existing</u>	<u>Proposed</u>	<u>Public Staff's Recommend</u>
Monthly Base Facility Charge	\$ 6.77	\$ 7.11	\$ 7.29
Usage charge/1,000 gallons (based on metered water usage)	\$ 5.88	\$ 6.16	\$ 6.32
Monthly Collection Charge (Residential and Commercial)	\$ 31.63	\$ 40.78	\$ 33.49

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	\$ 56.82	\$ 79.46	\$ 73.50
White Oak High School	\$1,799.66	\$2,059.25	\$ 1,776.30
Child Castle Daycare	\$ 223.58	\$ 255.83	\$ 227.72
Pantry	\$ 119.49	\$ 136.73	\$ 124.86

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	\$ 31.63	\$ 40.78	\$ 33.49
Treatment charge/dwelling unit	\$ 69.50	\$ 69.50	\$ 69.50
Total monthly flat rate/dwelling unit	\$ 101.13	\$ 110.28	\$ 102.99
Commercial and Other			
Minimum monthly collection and treatment charge	\$ 101.13	\$ 110.28	\$ 102.99
Monthly collection and treatment charge for Customers who do not take water service (per single-family equivalent)	\$ 101.13	\$ 110.28	\$ 102.99
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

The Ridges at Mountain Harbour:

	<u>Existing</u>	<u>Proposed</u>	<u>Public Staff Recommend</u>
<u>Monthly Sewer Rates:</u>			
Collection charge (Residential and Commercial)	\$ 31.63	\$ 40.78	\$ 33.49
Treatment charge (Residential and Commercial)			
< 1" meter	\$ 18.42	\$ 18.42	\$ 18.42
2" meter	\$ 147.36	\$ 147.36	\$ 147.36

COROLLA LIGHT AND MONTERAY SHORES SERVICE AREA

MONTHLY METERED SEWER SERVICE:

Base Facility Charge:

	<u>Existing</u>	<u>Proposed</u>	<u>Public Staff's Recommend</u>
Residential (zero usage)			
< 1" meter	\$ 52.06	\$ 59.67	\$ 47.84
1" meter	\$ 130.15	\$ 149.18	\$ 47.80
Commercial (zero usage)			
< 1" meter	\$ 52.06	\$ 59.67	\$ 47.84
1" meter	\$ 130.15	\$ 149.18	\$ 119.60
1-1/2" meter	\$ 260.31	\$ 298.35	\$ 239.20
2" meter	\$ 416.49	\$ 477.36	\$ 382.72
3" meter	\$ 780.92	\$ 895.05	\$ 717.60
4" meter	\$1,301.54	\$1,491.75	\$1,196.00
6" meter	\$2,603.07	\$2,983.50	\$2,392.00
Usage Charge, per 1,000 gallons	\$ 6.62	\$ 5.80	\$ 7.95
<b><u>AVERAGE RESIDENTIAL BILL (based on 3,228 gallons)</u></b>	<b>\$ 73.43</b>	<b>\$ 78.39</b>	<b>\$ 73.50</b>

AVAILABILITY RATES (monthly):

Applicable only to property owners in Fairfield Sapphire Valley Service Area	\$ 8.30	\$ 8.30	\$ 10.10
---	---------	---------	----------

AVAILABILITY RATES (monthly):

Applicable only to property owners in Connestee Falls	\$ 4.70	\$ 4.70	\$ 5.70
--	---------	---------	---------



**COMPANY'S PRESENT AND PROPOSED RATES AND THE PUBLIC STAFF'S  
RECOMMENDED WATER AND SEWER RATES FOR TREASURE COVE, FAIRFIELD  
HARBOUR SERVICE AREA, BRADFIELD FARMS SUBDIVISIONS, AND SILVERTON  
SUBDIVISION**

**WITHOUT CAM**

**WATER RATES AND CHARGES**

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	\$ 16.74	\$ 18.67	\$ 14.01
1" meter	\$ 41.85	\$ 46.68	\$ 35.03
1-1/2" meter	\$ 83.70	\$ 93.35	\$ 70.05
2" meter	\$133.92	\$ 149.36	\$ 112.08
Usage Charge, per 1,000 gallons			
Treated Water	\$ 3.75	\$ 4.45	\$ 4.15
<b><u>AVERAGE RESIDENTIAL BILL (based on 4,129 gallons)</u></b>	<b>\$ 32.22</b>	<b>\$ 37.04</b>	<b>\$ 31.15</b>
Availability Rates (Monthly)			
Applicable only to property owners in Fairfield Harbour Service Area	\$ 3.28	\$ 3.28	\$ 3.30

**SEWER RATES AND CHARGES**

MONTHLY SEWER RATES:

	<u>Existing</u>	<u>Proposed</u>	<u>Public Staff's Recommend</u>
Residential			
Flat Rate, per dwelling unit	\$ 50.46	\$ 55.66	\$ 49.78
Bulk Flat Rate, per REU	\$ 50.46	\$ 55.66	\$ 49.78
Commercial and Other			
Monthly Flat Rate (Customers who do not take water)	\$ 50.46	\$ 55.66	\$ 49.78
Monthly Metered Rates (based on meter size with zero usage)			
<1" meter	\$ 44.58	\$ 11.50	\$ 34.38
1" meter	\$111.45	\$ 57.50	\$ 85.95
1-1/2" meter	\$222.90	\$ 57.50	\$ 171.90
2" meter	\$356.64	\$ 92.00	\$ 275.04
Usage Charge, per 1,000 gallons	\$ 1.43	\$ 1.72	\$ 3.73
Bulk Sewer for Hawthorne at the Green Apartments			
Bulk Flat Rate, per REU	\$ 50.46	\$ 55.66	\$ 49.78
Availability Rates (Monthly)			
Applicable only to property owners in Fairfield Harbour Service Area	\$ 2.65	\$ 2.65	\$ 2.70



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

**WITH CAM**

**WATER RATES AND CHARGES**

**UNIFORM WATER SERVICE:**

**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	\$ 27.53	\$ 29.81	\$ 16.92
1" meter	\$ 68.83	\$ 74.81	\$ 42.30
1-1/2" meter	\$ 137.65	\$ 149.05	\$ 84.60
2" meter	\$ 220.24	\$ 238.48	\$ 135.36
3" meter	\$ 412.95	\$ 447.15	\$ 253.80
4" meter	\$ 688.25	\$ 745.25	\$ 423.00
6" meter	\$1,376.50	\$1,490.50	\$ 846.00

**AVERAGE RESIDENTIAL BILL** (based on 3,582 gallons)    **\$ 52.89**                      **\$ 61.40**                      **\$ 57.25**

**USAGE CHARGE:**

A. Treated Water/1,000 gallons	\$ 7.08	\$ 8.82	\$ 11.26
B. Untreated Water/1,000 gallons (Brandywine Bay Irrigation Water)	\$ 4.11	\$ 5.12	\$ 4.23
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	\$ 3.43	\$ 3.40
Riverbend	Town of Franklin	\$ 7.20	\$ 7.20	\$ 7.50
Riverpointe	Charlotte Water	\$ 6.30	\$ 6.48	\$ 6.48
Whispering Pines	Town of Southern Pines	\$ 2.23	\$ 2.23	\$ 3.28
White Oak Plt./				
Lee Forest	Johnston County	\$ 2.40	\$ 2.65	\$ 2.65
Winston Plt.	Johnston County	\$ 2.40	\$ 2.65	\$ 2.65
Winston Point	Johnston County	\$ 2.40	\$ 2.65	\$ 2.65
Woodrun	Montgomery County	\$ 3.19	\$ 3.19	\$ 3.19
Yorktown	City of Winston-Salem	\$ 5.01	\$ 5.01	\$ 5.79
Zemosa Acres	City of Concord	\$ 5.27	\$ 5.27	\$ 5.41
Carolina Trace	City of Sanford	\$ 2.21	\$ 2.21	\$ 2.21

**MONTHLY FLAT RATE SERVICE:**                      **\$ 53.58**                      **\$ 61.96**                      **\$ 57.25**  
 (per residence or single family equivalent)

**Conservation Rate Pilot Program – The Point Service Area**

	<u>Existing</u>	<u>Proposed</u>	<u>Public Staff's Recommend</u>
Base Facilities Charges (zero usage)			
< 1" meter	\$ 27.53	\$ 23.85	Opposed
Usage charge per 1,000 gallons	\$ 7.08		

**Usage Charge (blocks will pro-rate for billing periods outside standard monthly cycle)**

Block #1 – 0 to 5,000 gallons	\$ 7.06
Block #2 – 5,001 to 18,000 gallons	\$ 11.03
Block #3 – Greater than 18,000 gallons	\$ 14.71

Carolina Water Service Inc., of North Carolina  
 Docket No. W-354, Sub 344  
 For the 12 Months Ending June 30, 2015

Casselberry  
 Exhibit No. 27  
 Page 2 of 4

AVAILABILITY RATES (semi-annual):

Applicable only to property owners in Carolina Forest and Woodrun Subdivision in Montgomery County	\$ 24.65	\$ 24.65	\$ 25.35
--	----------	----------	----------

AVAILABILITY RATES (monthly):

Applicable only to property owners in Linville Ridge Subdivision	\$ 12.35	\$ 12.35	\$ 12.70
--	----------	----------	----------

AVAILABILITY RATES (monthly):

Applicable only to property owners in Fairfield Sapphire Valley Service Area	\$ 9.10	\$ 9.10	\$ 9.40
--	---------	---------	---------

AVAILABILITY RATES (monthly):

Applicable only to property owners in Conestee Falls	\$ 4.80	\$ 4.80	\$ 4.95
--	---------	---------	---------

**SEWER RATES AND CHARGES**

**UNIFORM SEWER SERVICE**

MONTHLY METERED SEWER SERVICE:

Base Facilities Charges

	<u>Existing</u>	<u>Proposed</u>	<u>Public Staff's Recommend</u>
Residential (zero usage)	\$ 46.31	\$ 59.67	\$ 40.62
Commercial (zero usage)			
< 1" meter	\$ 46.31	\$ 59.67	\$ 40.62
1" meter	\$ 115.78	\$ 149.18	\$ 101.55
1-1/2" meter	\$ 231.55	\$ 298.35	\$ 203.10
2" meter	\$ 370.48	\$ 477.36	\$ 324.96
3" meter	\$ 694.65	\$ 895.05	\$ 609.30
4" meter	\$1,157.75	\$1,491.75	\$1,015.50
6" meter	\$2,315.50	\$2,983.50	\$2,031.00
Usage Charge, per 1,000 gallons	\$ 3.62	\$ 5.80	\$ 10.27
<b><u>AVERAGE RESIDENTIAL BILL (based on 3,228 gallons)</u></b>	<b>\$ 58.00</b>	<b>\$ 78.39</b>	<b>\$ 73.77</b>

MONTHLY METERED PURCHASED SEWER SERVICE:

Collection charge (Residential and Commercial/SFE)	\$ 31.63	\$ 40.78	\$ 28.43
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 Pt./Lee			
Forest/Winston Pt.	Johnston County	\$ 5.06	\$ 5.57
Kings Grant	Two Rivers Utilities	\$ 3.80	\$ 3.98
College Park	Town of Dallas	\$ 5.70	\$ 7.33

<u>MONTHLY FLAT RATE SERVICE:</u>	\$ 57.82	\$ 79.46	\$ 73.77
-----------------------------------	----------	----------	----------

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

MT CARMEL SUBDIVISION SERVICE AREAS:

	<u>Existing</u>	<u>Proposed</u>	<u>Public Staff's Recommend</u>
Monthly Base Facility Charge	\$ 6.77	\$ 7.11	\$ 7.29
Usage charge/1,000 gallons (based on metered water usage)	\$ 5.88	\$ 6.16	\$ 6.32
Monthly Collection Charge (Residential and Commercial)	\$ 31.63	\$ 40.78	\$ 28.43

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	\$ 56.82	\$ 79.46	\$ 73.77
White Oak High School	\$1,799.66	\$2,059.25	\$ 1,508.22
Child Castle Daycare	\$ 223.58	\$ 255.83	\$ 193.35
Pantry	\$ 119.49	\$ 136.73	\$ 106.02

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	\$ 31.63	\$ 40.78	\$ 28.43
Treatment charge/dwelling unit	\$ 69.50	\$ 69.50	\$ 69.50
Total monthly flat rate/dwelling unit	\$ 101.13	\$ 110.28	\$ 97.93
Commercial and Other			
Minimum monthly collection and treatment charge	\$ 101.13	\$ 110.28	\$ 97.93
Monthly collection and treatment charge for Customers who do not take water service (per single-family equivalent)	\$ 101.13	\$ 110.28	\$ 97.93
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

The Ridges at Mountain Harbour:

	<u>Existing</u>	<u>Proposed</u>	<u>Public Staff Recommend</u>
<u>Monthly Sewer Rates:</u>			
Collection charge (Residential and Commercial)	\$ 31.63	\$ 40.78	\$ 28.43
Treatment charge (Residential and Commercial)			
< 1" meter	\$ 18.42	\$ 18.42	\$ 18.42
2" meter	\$ 147.36	\$ 147.36	\$ 147.36

COROLLA LIGHT AND MONTERAY SHORES SERVICE AREA

MONTHLY METERED SEWER SERVICE:

Base Facility Charge:

	<u>Existing</u>	<u>Proposed</u>	<u>Public Staff's Recommend</u>
Residential (zero usage)			
< 1" meter	\$ 52.06	\$ 59.67	\$ 40.62
1" meter	\$ 130.15	\$ 149.18	\$ 40.62
Commercial (zero usage)			
< 1" meter	\$ 52.06	\$ 59.67	\$ 40.62
1" meter	\$ 130.15	\$ 149.18	\$ 101.55
1-1/2" meter	\$ 260.31	\$ 298.35	\$ 203.10
2" meter	\$ 416.49	\$ 477.36	\$ 324.96
3" meter	\$ 780.92	\$ 895.05	\$ 609.30
4" meter	\$1,301.54	\$1,491.75	\$1,015.50
6" meter	\$2,603.07	\$2,983.50	\$2,031.00
Usage Charge, per 1,000 gallons	\$ 6.62	\$ 5.80	\$ 10.27
<b><u>AVERAGE RESIDENTIAL BILL (based on 3,228 gallons)</u></b>	<b>\$ 73.43</b>	<b>\$ 78.39</b>	<b>\$ 73.77</b>

AVAILABILITY RATES (monthly):

Applicable only to property owners in Fairfield Sapphire Valley Service Area	\$ 8.30	\$ 8.30	\$ 10.10
---	---------	---------	----------

AVAILABILITY RATES (monthly):

Applicable only to property owners in Connestee Falls	\$ 4.70	\$ 4.70	\$ 5.70
--	---------	---------	---------



**COMPANY'S PRESENT AND PROPOSED RATES AND THE PUBLIC STAFF'S  
RECOMMENDED WATER AND SEWER RATES FOR TREASURE COVE, FAIRFIELD  
HARBOUR SERVICE AREA BRADFIELD FARMS SUBDIVISIONS AND SILVERTON  
SUBDIVISION**

**WITH CAM**

**WATER RATES AND CHARGES**

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	\$ 16.74	\$ 18.67	\$ 9.36
1" meter	\$ 41.85	\$ 46.68	\$ 23.40
1-1/2" meter	\$ 83.70	\$ 93.35	\$ 46.80
2" meter	\$133.92	\$ 149.36	\$ 74.88
Usage Charge, per 1,000 gallons			
Treated Water	\$ 3.75	\$ 4.45	\$ 5.29
<b><u>AVERAGE RESIDENTIAL BILL (based on 4,129 gallons)</u></b>	<b>\$ 32.22</b>	<b>\$ 37.04</b>	<b>\$ 31.20</b>
Availability Rates (Monthly)			
Applicable only to property owners in Fairfield Harbour Service Area	\$ 3.28	\$ 3.28	\$ 3.30

**SEWER RATES AND CHARGES**

MONTHLY SEWER RATES:

	<u>Existing</u>	<u>Proposed</u>	<u>Public Staff's Recommend</u>
Residential			
Flat Rate, per dwelling unit	\$ 50.46	\$ 55.66	\$ 49.80
Bulk Flat Rate, per REU	\$ 50.46	\$ 55.66	\$ 49.80
Commercial and Other			
Monthly Flat Rate (Customers who do not take water)	\$ 50.46	\$ 55.66	\$ 49.80
Monthly Metered Rates (based on meter size with zero usage)			
<1" meter	\$ 44.58	\$ 11.50	\$ 29.65
1" meter	\$111.45	\$ 57.50	\$ 74.13
1-1/2" meter	\$222.90	\$ 57.50	\$ 148.25
2" meter	\$356.64	\$ 92.00	\$ 237.20
Usage Charge, per 1,000 gallons	\$ 1.43	\$ 1.72	\$ 4.88
Bulk Sewer for Hawthorne at the Green Apartments			
Bulk Flat Rate, per REU	\$ 50.46	\$ 55.66	\$ 49.80
Availability Rates (Monthly)			
Applicable only to property owners in Fairfield Harbour Service Area	\$ 2.65	\$ 2.65	\$ 2.70