



**NORTH CAROLINA
PUBLIC STAFF
UTILITIES COMMISSION**

November 5, 2021

Ms. A. Shonta Dunston, Chief Clerk
North Carolina Utilities Commission
4325 Mail Service Center
Raleigh, North Carolina 27699-4300

Re: Docket No. W-354, Sub 384 – Application by Carolina Water Service, Inc. of North Carolina, 4944 Parkway Plaza Boulevard, Suite 375, Charlotte North Carolina 28217 for Authority to Adjust and Increase Rates for Water and Sewer Utility Service in All of Its Service Areas in North Carolina

Dear Ms. Dunston:

Attached for filing on behalf of the Public Staff in the above-referenced docket are the testimony and exhibits of Lindsay Q. Darden, Utilities Engineer, Public Staff Water, Sewer, and Telephone Division.

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

Sincerely,

Electronically submitted
s/John D. Little
Staff Attorney
john.little@psncuc.nc.gov

Attachments

Executive Director
(919) 733-2435

Accounting
(919) 733-4279

Consumer Services
(919) 733-9277

Economic Research
(919) 733-2267

Energy
(919) 733-2267

Legal
(919) 733-6110

Transportation
(919) 733-7766

Water/Telephone
(919) 733-5610

BEFORE THE NORTH CAROLINA UTILITIES COMMISSION

DOCKET NO. W-354, SUB 384

In the Matter of
Application by Carolina Water Service,)
Inc. of North Carolina, 4944 Parkway)
Plaza Boulevard, Suite 375, Charlotte,)
North Carolina 28217, for Authority to)
Adjust and Increase Rates for Water)
and Sewer Utility Service in All of Its)
Service Areas in North Carolina)

TESTIMONY OF
LINDSAY Q. DARDEN
PUBLIC STAFF – NORTH
CAROLINA UTILITIES
COMMISSION

BEFORE THE NORTH CAROLINA UTILITIES COMMISSION

DOCKET NO. W-354, SUB 384

TESTIMONY OF LINDSAY Q. DARDEN

**ON BEHALF OF THE PUBLIC STAFF
NORTH CAROLINA UTILITIES COMMISSION**

NOVEMBER 5, 2021

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

3 A. My name is Lindsay Q. Darden. My business address is 430 North
4 Salisbury Street, Dobbs Building, Raleigh, North Carolina. I am a
5 Utilities Engineer with the Water, Sewer, and Telephone Division of the
6 Public Staff – North Carolina Utilities Commission (Public Staff).

7 **Q. BRIEFLY STATE YOUR QUALIFICATIONS AND DUTIES.**

8 A. I graduated from North Carolina State University, earning a Bachelor
9 of Science Degree in Civil Engineering. I am a licensed Professional
10 Engineer (PE - State of North Carolina #042110). I am also certified as
11 a B-Well Operator (#130281) by the North Carolina Water Treatment
12 Facility Operators Certification Board. I worked for the North Carolina
13 Department of Environmental Quality (DEQ), Public Water Supply
14 Section for four years prior to joining the Public Staff in December
15 2016. Prior to working for DEQ, I worked for Smith Gardner, an
16 engineering consulting firm.

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

2 A. My duties with the Public Staff are to monitor the operations of
3 regulated water and wastewater utilities with regard to rates and
4 service. These duties include conducting field investigations,
5 reviewing, evaluating, and recommending changes in the design,
6 construction, and operations of regulated water and wastewater
7 utilities, presenting expert testimony in formal hearings, and presenting
8 information, data, and recommendations to the North Carolina Utilities
9 Commission (Commission).

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

12 A. On July 2, 2021, Carolina Water Service, Inc. of North Carolina
13 (CWSNC or Company) filed an application with the Commission to
14 increase its rates for providing water and sewer utility service in all of
15 its service areas in North Carolina. My investigation in this proceeding
16 included the review of company records; expenses; utility plant in
17 service and the proposed credit card fee-free bill payment option in
18 coordination with the Public Staff Accounting Division; the proposed
19 Water Efficiency program; billing analysis, including the proposed
20 transition of Eastgate/Tanglewood South and Willowbrook purchased
21 water systems from partial to full purchased systems; and North
22 Carolina Department of Environmental Quality (DEQ) records.

1 I analyzed CWSNC's billing data for the test year ending March 31,
2 2021. I performed a billing analysis to determine the level of revenues
3 produced at present and proposed rates using end of period customer
4 counts. I developed a recommended rate design to recover the
5 revenue requirement determined by the Public Staff Accounting
6 Division. The rate design includes specific usage rates for water and
7 sewer systems that purchase and resell bulk water and bulk sewer
8 treatment from a third party provider.

9 **Q. ARE YOU FILING ANY ADDITIONAL SUPPLEMENTAL**
10 **TESTIMONY IN THIS RATE CASE?**

11 A. Yes, I will be filing supplemental testimony to address customer
12 complaints and the customer hearings held on November 1, 2021.

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

16 A. Yes. Customer hearings and complaints will be addressed in my
17 supplemental testimony.

18 **Q. HAVE YOU INSPECTED CWSNC'S WATER AND SEWER**
19 **SYSTEMS?**

20 A. No, due to the COVID-19 outbreak and the restrictions issued by North
21 Carolina Governor, Roy Cooper, the Public Staff did not conduct site

1 visits. In lieu of in-person site visits, CWSNC provided the Public Staff
2 with detailed project descriptions, construction records, asset
3 retirement forms, and photographic documentation of plant in service
4 projects.

5 **Q. BRIEFLY DESCRIBE THE COMPANY'S APPLICATION IN THIS**
6 **CASE.**

7 A. CWSNC is proposing to increase water and sewer rates for its four
8 rate divisions: Uniform Water, Uniform Sewer, Bradfield
9 Farms/Fairfield Harbour/Treasure Cove (BF/FH/TC) Water, and
10 Bradfield Farms/Fairfield Harbour/Treasure Cove (BF/FH/TC)
11 Sewer. CWSNC is also proposing to pass on the increased cost of
12 purchased water and sewer treatment to purchased water and sewer
13 customers. The test year for this rate case is the 12-month period
14 ending March 31, 2021. CWSNC proposed two new programs in its
15 application, the credit card fee-free bill payment option and the Water
16 Efficiency Program. CWSNC also proposed to transition
17 Eastgate/Tanglewood South and Willowbrook purchased water
18 systems from partial to full purchased water systems.

19 **Q. HOW MUCH OF AN INCREASE IS THE COMPANY**
20 **REQUESTING?**

21 A. Paragraph No. 11 of the Company's application states as follows:

1 The proposed tariffs are designed to produce additional
2 gross revenues on a company-wide basis of \$4,545,759,
3 a 11.52% increase over the total revenue level
4 generated by the rates currently in effect for CWSNC.
5 For the Uniform Water Rate Division, the proposed tariffs
6 are designed to produce additional gross revenues of
7 \$1,973,854, a 9.90% increase over the total revenue
8 level generated by the rates currently in effect for that
9 Rate Division. For the Uniform Sewer Rate Division, the
10 proposed tariffs are designed to produce additional
11 gross revenues of \$1,843,826, a 11.68% increase over
12 the total revenue level generated by the rates currently
13 in effect for that Rate Division. For the BF/FH/TC Water
14 Rate Division, the proposed tariffs are designed to
15 produce additional gross revenues of \$422,786, a
16 29.49% increase over the total revenue level generated
17 by the rates currently in effect for that Rate Division. For
18 the BF/FH/TC Sewer Rate Division, the proposed tariffs
19 are designed to produce additional gross revenues of
20 \$305,293 a 13.30% increase over the total revenue level
21 generated by the rates currently in effect for that Rate
22 Division. CWSNC requires increased revenues at this
23 level to earn a fair return on its company-wide
24 investment of \$146,067,328.

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

26 A. CWSNC provides water to 104 service areas and sewer to 41 service
27 areas, some of which have multiple subdivisions. The service areas
28 are spread throughout North Carolina. CWSNC primarily serves
29 residential customers, but it also serves retail and commercial
30 customers. **Darden Exhibit Nos. 1 and 2** list CWSNC's service
31 areas. As of the twelve-month period ending March 31, 2021,
32 CWSNC served 30,788 water customers and 19,884 wastewater
33 customers. There are also 3,374 water availability customers in the
34 Carolina Forest, Woodrun, Linville Ridge, Sapphire Valley,
35 Connestee Falls, and Fairfield Harbour service areas, and 1,167

1 sewer availability customers in Sapphire Valley, Connetsee Falls,
2 and Fairfield Harbour service areas.

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

4 A. CWSNC's present and proposed rates for water and sewer utility
5 services are shown in **Darden Exhibit No. 3**.

6 **Q. WHAT EFFECTS WOULD THE PROPOSED RATES HAVE ON
7 RESIDENTIAL CUSTOMERS?**

8 A. If the rates requested by CWSNC are approved, the average
9 residential bills (<1-inch meter) will increase, based on the average
10 monthly usage in gallons provided by CWSNC in its application, by
11 the percentages shown in Appendix A-1, pages 6 and 7 of 8, and
12 Appendix A-2, page 3 of 5, of the Commission's Order Establishing
13 Discovery Guidelines, Scheduling hearings, and Requiring Customer
14 Notice issued on October 8, 2021 in this docket.

15 **BILLING ANALYSIS**

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

17 A. I determined the end-of-period (EOP) customers and consumption
18 for each service area, for each meter type, for the twelve months
19 ending March 31, 2021, based on the billing data in "DR 39 – W1-26
20 Updated" spreadsheet provided in response to Public Staff Data
21 Request No. 39. CWSNC witness Matthew P. Schellinger II and I

1 discussed the billing analysis and mutually agreed on corrections to
 2 the billing data CWSNC provided, specifically certain systems' EOP
 3 data and usage data. The applicable corrections discussed in our
 4 meeting were incorporated into my billing analysis and will be
 5 corrected in CWSNC's billing records and carried forward in the next
 6 general rate case. The customer counts and consumption resulting
 7 from my billing analysis are shown in **Darden Exhibit Nos. 4, 5, 6,**
 8 **and 7.**

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

11 A. CWSNC uniform water and sewer, BF/FH/TC water, and BF/FH/TC
 12 sewer present and proposed service revenues for the twelve months
 13 ending March 31, 2021 are shown below:

14 Darden Table 1 - Public Staff's Service Revenues

Rate Entity	Present Rates	Proposed Rates
Uniform Water ¹	\$ 19,981,801	\$ 21,943,012
BF/FH/TC Water ²	\$ 1,432,804	\$ 1,856,886
Uniform Sewer ³	\$ 16,212,831	\$ 17,990,612
BF/FH/TC Sewer ⁴	\$ 2,296,014	\$ 2,607,362
Total	\$ 39,923,450	\$ 44,397,872

15

¹ See **Darden Exhibit Nos. 8 and 12.**

² See **Darden Exhibit Nos. 9 and 13.**

³ See **Darden Exhibit Nos. 10 and 14.**

⁴ See **Darden Exhibit Nos. 11 and 15.**

1 Q. DO YOU HAVE ANY CONCERNS IN REGARD TO CWSNC'S
2 BILLING DATA?

3 A. CWSNC's billing data provided to the Public Staff has improved since
4 the last general rate case. In previous rate cases, the billing data was
5 missing entire service areas, included double bills, and had
6 inaccurate customer counts. These issues have been brought to
7 CWSNC's attention and addressed in past rate cases. For example,
8 in Docket No. W-354, Sub 364, Ordering Paragraph 16, the
9 Commission ordered:

10 That in the Company's next general rate case filing
11 CWSNC shall ensure that its NCUC Form W-1, Item 26
12 is reconciled with the Company's bill data to ensure
13 that the filing does not include double bills, that the
14 Company accounts for multi-unit customers, and that
15 the other bills produced, such as final bills, late notices,
16 re-bills, or other miscellaneous bills are not included in
17 the NCUC form W-1, Item 26 filing.

18 The billing data requirements were addressed in the present rate
19 case with the exception of accounting for the Beaver Farms bulk
20 sewer account and several multi-unit customers with the appropriate
21 customer count. Beaver Farms is a bulk sewer account under the
22 Bradfield Farms service area in which Aqua North Carolina, Inc.
23 (Aqua NC) is purchasing wastewater treatment service from
24 CWSNC. After discussions with CWSNC and Aqua NC, it has been
25 determined that Beaver Farms has 7.5 residential equivalent units
26 under the bulk sewer rate. The Beaver Farms customers have been

1 accounted for in my billing analysis. After the review of billing records
2 and discussions with CWSNC, the multi-unit customers have also
3 been accounted for in my billing analysis. The systems affected by
4 the multi-unit customers are listed in the table below:

5 Darden Table 2 – Systems with Multi-Unit Customers

Sewer System	Account (flat, commercial)	Dwelling Units
Brandywine Bay	1	2
Danby	1	4
Hestron Park	1	1
Hemby Acres	2	4 (per each account)
Sugar Mountain	1	4

6 The Public Staff recommends that CWSNC continue to improve on
7 its billing data by accurately incorporating all customer accounts,
8 including the multi-unit customers, and continuing the improvements
9 made since the last rate case.

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

11 A. Yes. I calculated the average consumption for the test year, as
12 shown in **Darden Exhibit No. 16**, which reflects EOP customers and
13 corresponding consumption. The average consumption data for Sub
14 360 Test Year 2017 and Sub 364 Test Year 2018 are based on
15 Casselberry Exhibit No. 16, in Docket W-354, Sub 364. The EOP
16 customers and consumption for the test year was provided by the

1 Company in this proceeding and shown in **Darden Exhibits Nos. 4**
2 and **6**. The average consumption over the three time periods are
3 summarized in the table below.

4 Darden Table 3 – Average Consumption Summary

Res. Water Rate Entity	Test Year Sub 360	Test Year Sub 364	Test Year Sub 384
Uniform	3,626	3,686	3,773
Purchased	3,835	3,840	3,963
BF/FH/TC	4,111	4,220	4,136

5 The average consumption has remained fairly constant over these
6 time periods with the Uniform water and purchased water systems
7 average consumption rising slightly.

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

10 A. The usage charge for purchased water and sewer systems reflects the
11 suppliers' current usage charge, with the exception of the City of
12 Hendersonville (water), City of Winston-Salem (water), and Town of
13 Dallas (sewer), which have tier rates. The usage charge for the three
14 suppliers listed above was calculated based on the average monthly
15 usage for each individual service area. The average monthly usage
16 was applied to the tiered rates for the supplier. For suppliers who also
17 charge a base charge, the base charge was included in the updated
18 purchased water expenses and sewer treatment expenses.

1 Except for the Eastgate and Tanglewood South system supplied by
2 Fayetteville Public Works Commission (FPWC), I agree with the
3 proposed purchased water and sewer rates provided by CWSNC. For
4 that system, CWSNC proposed a rate of \$5.64 per 1,000 gallons. In
5 response to Public Staff Data Request No. 73, CWSNC provided
6 documentation showing the FPWC rate is \$5.55 per 1,000 gallons,
7 which is the rate used in my recommended rate calculations.

8 **Q. HAVE YOU INVESTIGATED CUSTOMER GROWTH?**

9 A. Yes. I analyzed the customer growth during the test year and for the
10 period after the test year from March 31, 2021 to August 31, 2021. The
11 test year EOP customers were annualized and compared to the total
12 active customers. I requested customer growth data from CWSNC for
13 the update period of March 31, 2021 to August 31, 2021. Both the test
14 year data and the update period data did not show any significant
15 customer growth. CWSNC also has stated that there has not been
16 significant customer growth, nor does it anticipate any growth in the
17 near future. Due to my analysis, a growth factor has not been
18 implemented in the present rate case.

19 **Q. WHAT IS YOUR RECOMMENDATION CONCERNING CWSNC'S**
20 **PROPOSED RATES?**

1 A. The Public Staff recommends a partial rate increase for Uniform
2 Water⁵, Uniform Sewer⁶ , BF/FH/TC water⁷, and BF/FH/TC sewer⁸.
3 My revenue calculations for each rate division are shown on the
4 referenced exhibits.

5 RATE DESIGN

6 **Q. DESCRIBE THE RATE DESIGN PROPOSED BY THE COMPANY.**

7 A. CWSNC proposes to utilize the same ratio of base facilities charges
8 to volumetric charges as approved by the Commission in the W-354,
9 Sub 364 rate case. Consistent with the partial stipulation in that case,
10 the Company's proposed rate design ratio is 50:50 (base facilities
11 charge: usage charge) for water and 80:20 (base facilities charge:
12 usage charge) for sewer. The Company requested changes to the
13 purchased water systems that increased their rates since the end of
14 the test year as well.

15 **Q. WHAT IS THE PUBLIC STAFF'S POSITION ON RATE DESIGN?**

16 A. The Public Staff agrees with the Commission that there is a balance
17 to strike between achieving revenue sufficiency and stability to
18 ensure quality, reliability, and long-term viability for properly operated
19 and well-managed utilities while setting fair and reasonable rates that

⁵ See **Darden Exhibit No. 17.**

⁶ See **Darden Exhibit No. 18.**

⁷ See **Darden Exhibit No. 19.**

⁸ See **Darden Exhibit No. 20.**

1 effectively promote efficiency and conservation. The Public Staff
2 recommends a service revenue ratio of 40:60 (base facilities charge:
3 usage charges) for Uniform Water and BF/FH/TC residential water
4 customers, which is consistent with the Commission approved water
5 rate design ratio in the most recent Aqua NC rate case, W-218, Sub
6 526. The Public Staff recommends a service revenue ratio of 60:40
7 (base facilities charge: usage charges) for Uniform Sewer. BF/FH/TC
8 residential sewer rate is flat rate.

9 A lower base facility charge reduces the cost burden on customers
10 for access to utility service before the use of any service. It allows
11 customers to have greater control over their total bill by changing
12 their usage through conservation and improved efficiency. The rate
13 design ratios of 40:60 for water and 60:40 for sewer, as discussed
14 above, have been implemented in my recommended rates and
15 supporting exhibits detailing the billing analysis.

16 Base facilities charges are a frequently discussed and highly
17 controversial issue in electric, natural gas, water, and wastewater
18 rate cases. There are advantages and disadvantages to the different
19 base to usage ratios for the Company, rate groups, and individual
20 customers. In the past decade, electric and natural gas residential
21 base facilities charges have remained fairly low in the \$10 to \$15
22 range, while water base charges have continued to increase and

1 wastewater rates have historically been a flat rate or been a very high
2 percentage of the average residential bill.

3 The Public Staff's targeted goal for an ideal service revenue ratio is
4 30:70 for both water and sewer services. It is noteworthy that in the
5 Sub 336 rate case, the Public Staff recommended and the Company
6 stipulated to sewer rates designed with a 33:67 ratio.⁹ The rate
7 structure shift from 80:20 for sewer to 30:70 would be anticipated to
8 result in significant rate shock for customers. While the average bill
9 remains nearly the same, low users' bills would decrease and high
10 users' bills would increase. As a means of mitigating rate shock while
11 still progressing toward an effective price signal, the Public Staff
12 recommends its service revenue ratios as an incremental approach
13 to gradually move towards its targeted goals for service revenue
14 ratios.

15 On March 20, 2019, the Commission issued an Order making the
16 Public Staff, CWSNC, and Aqua parties to the proceeding and
17 requiring the parties to file initial comments to include "a discussion
18 of rate design proposals that may better achieve revenue sufficiency
19 and stability while also sending appropriate efficiency and
20 conservation signals to consumers." Investigation of Rate Design for
21 Major Water Utilities, No. W-100, Sub 59, (N.C.U.C. March 20,

⁹ The rate structure was reconsidered and changed to a 74:26 ratio as part of the correction to the Uniform Sewer rate design error.

1 each project. The Public Staff thoroughly reviewed the detailed
2 transaction listings, or construction work in progress (CWIP) ledgers,
3 and invoices for each of the 22 projects. In addition, the Public Staff
4 obtained additional supporting documentation including, where
5 applicable and available, accounts payable invoices, contractor
6 estimates of progress, work orders, internal engineering project
7 closure forms, photographs, and North Carolina Department of
8 Environmental Quality (DEQ) permits and approvals.

9 **Q. PLEASE DESCRIBE THE ADJUSTMENTS THE PUBLIC STAFF**
10 **RECOMMENDS TO UPIS IN THE PRESENT RATE CASE.**

11 A. CWSNC reclassified two projects, Monterey Shores Upset Tank
12 Recoating (Uniform Sewer rate entity) and Sapphire Valley Storage
13 Tank Recoating (Uniform Water rate entity). The Company initially
14 submitted both projects as pro-forma plant additions and reclassified
15 them to the Deferred Assets account (181002). The Public Staff
16 agrees with the reclassification of these projects.

17 The Public Staff separated the Well No. 7 rehabilitation project in the
18 Elk River service area into two different projects. From January 2020
19 to April 2020, a hydrofracturing project was completed on Well No. 7
20 to address radium levels. The hydrofracturing project was closed on
21 April 30, 2020 to the Wells and Springs account (141223). CWSNC
22 re-opened this project when analysis performed on June 30, 2020
23 showed high radium levels. The second portion of work consisted of

1 installing radium removal treatment to Well No. 7. The costs
2 associated with the radium removal treatment installation are closed
3 to the Water Treatment Equipment account (141230). The radium
4 removal treatment project was placed into service on July 31, 2021.
5 Due to the two portions of the project being in two different accounts
6 and having two different depreciation rates, the projects were not
7 combined and are treated separately on the Public Staff accounting
8 schedules.

9 Based on the results of my investigation, the remaining 20 utility plant
10 in service projects were determined to be prudent and serving
11 customers on the dates provided by CWSNC. Public Staff
12 Accountant Lynn Feasel made adjustments to replace the estimated
13 cost of the pro forma projects provided in the Application with the
14 actual cost of the projects. All accounting adjustments are included
15 in her plant in service schedules.

16 **WATER EFFICIENCY PROGRAM**

17 **Q. HAS THE COMPANY PROPOSED A PROGRAM TO ADDRESS**
18 **WATER EFFICIENCY?**

19 A. Yes, in its application and as detailed in the direct testimony of
20 CWSNC witness Philip J. Drennan,¹⁰ the Company has proposed a
21 “Water Efficiency Program” that implements rebates to customers for

¹⁰ Page 17, line 1 through page 21, line 19, Direct Testimony of Company witness Philip J. Drennan filed in Docket No. W-354, Sub 384, on July 2, 2021.

1 installing efficient water fixtures and appliances. CWSNC is the first
2 North Carolina regulated water utility to propose a program of this
3 nature. CWSNC witness Drennan states that the City of Durham is
4 the only other utility that has a similar program in North Carolina.
5 Once a customer submits the program application and the
6 application is approved, CWSNC would apply a customer's rebate
7 as a credit to their monthly bill. CWSNC proposes to track the rebates
8 applied to customer bills in a regulatory asset account that would be
9 addressed in a future rate case. In addition, CWSNC made a pro-
10 forma adjustment to Office Supplies and Other Expenses in the
11 amount of \$2,000 to account for the cost of providing an annual bill
12 insert to provide information to customers about the program.

13 **Q. DESCRIBE THE SUPPORT DOCUMENTATION THAT CWSNC**
14 **PROVIDED FOR THE PROPOSED PROGRAM.**

15 A. In response to Public Staff Data Request No. 64 (DR 64), CWSNC
16 provided the list of EPA-approved program rebates and the
17 EnergyStar rebate program website that were used to sample and
18 determine the program's rebate values. CWSNC also provided the
19 calculation for the \$2,000 annual bill insert expense. In addition,
20 CWSNC provided the draft versions of the application form, terms
21 and conditions, and bill insert. CWSNC clarified that once a customer
22 met the maximum rebate credit, there would not be a reset on the

1 program unless the customer closed an account and opened a new
2 account at a different residence. In response to DR 64, Question 1,
3 CWSNC states:

4 As the Company serves 93 water systems across 32
5 counties, each of which represents only a part of the
6 respective municipality, the Company is unable to
7 reasonably estimate through census data the extent of
8 participation in the program. The Company cannot also
9 reasonably estimate the water savings, due to lack of
10 data on the type of fixtures currently in use in its
11 customer's homes. Gathering this data through a
12 customer survey was not deemed cost-effective by
13 management.

14 CWSNC provided data that showed the premise ages to identify
15 which subdivisions may generate high participation in the program
16 and also stated that this data shows the opportunity for participation,
17 not actual participation.

18 **Q. DOES THE PUBLIC STAFF HAVE ANY CONCERNS FOR**
19 **CWSNC'S PROPOSED WATER EFFICIENCY PROGRAM?**

20 A. The Public Staff has concerns about the cost-benefit to customers,
21 the regulatory asset account balance, and the implementation of a
22 brand new program. While providing a rebate in the form of a
23 customer credit can promote water efficiency, the Public Staff has
24 the following concerns with the Company's proposed Water
25 Efficiency program: 1) a cost-benefit analysis has not been
26 completed for this program due to the unknown customer
27 participation, therefore CWSNC would be implementing a program

1 without a trial period; 2) with participation and thereby overall cost
2 unknown, waiting to address the recovery of the regulatory asset in
3 the next rate case may be contentious; 3) since customers typically
4 stay in their homes longer than the estimated lives of the appliances
5 included in this program, CWSNC's maximum credit of one
6 dishwasher, one washing machine, two shower heads, and two
7 toilets may be too limited; 4) participation may be heavily influenced
8 by household financial demographics; and 5) conceptually, more
9 efficient appliances should reduce consumption, thereby the utility
10 would request higher rates in future rate cases to recover program
11 costs and offset lower consumption.

12 **Q. WHAT IS THE PUBLIC STAFF'S POSITION ON CWSNC'S**
13 **PROPOSED WATER EFFICIENCY PROGRAM?**

14 A. The Public Staff does not oppose the Water Efficiency Program but
15 due to the unpredictability and novelty of the program, the Public
16 Staff recommends the following conditions to CWSNC's proposed
17 program:

18 1) the program must be treated as a pilot program to be re-
19 evaluated in the next general rate case;

20 2) the regulatory asset shall not earn a return or have
21 associated carrying costs; and

1 3) CWSNC must provide quarterly reports detailing customer
2 participation, the program's quantitative effect on participants'
3 consumption and bills, and participant demographics.

4 **CREDIT CARD FEES**

5 **Q. HAS THE COMPANY PROPOSED A CHANGE FOR HANDLING**
6 **THIRD-PARTY PAYMENT PROCESSING FEES?**

7 A. Yes, in its application and as detailed in the direct testimony of
8 CWSNC witness Philip J. Drennan,¹¹ the Company has proposed a
9 change in how third-party payment processing fees for credit card
10 payments of a customer's bill would be charged. Currently, a
11 customer choosing to pay with a credit card is directly charged the
12 third-party billing fees. CWSNC is proposing that the Company pay
13 the third-party billing fees for all customers to provide a fee-free
14 billing option for credit card payments and not discourage the use of
15 the convenient credit card payment option.

16 In the present case, CWSNC has included credit card transaction
17 fees for residential and commercial customers to the Office Supplies
18 and Other Office Expense category. The fees for other forms of

¹¹ Page 12, line 7, through page 16, line 20, Direct Testimony of Company witness Philip J. Drennan filed in Docket No. W-354, Sub 384, on July 2, 2021.

1 payments such as checks, ACH payments,¹² and bank drafts are
2 currently included in the Company's cost of service.

3 **Q. DOES THE PUBLIC STAFF HAVE ANY CONCERNS WITH THE**
4 **PROPOSED CHANGE TO THE CREDIT CARD FEES?**

5 The Public Staff does not take issue with the inclusion of credit card
6 fees in the cost of service for residential customers. However, in its
7 adjustment, the Company did not calculate any impacts to late
8 payments or uncollectibles associated with the request to include
9 credit card fees.

10 **Q. WHAT ADJUSTMENTS HAVE BEEN MADE TO THE CREDIT**
11 **CARD FEES EXPENSE?**

12 The following adjustments have been made to the Office Supplies
13 and Other Office Expense in reference to the credit card fee program:

14 1) The credit card fees associated with commercial customers have
15 been removed for all rate entities, and 2) the projected total of
16 residential credit card fees has been replaced with actual, historical
17 costs. In the application, CWSNC made a pro forma adjustment to
18 include credit card transactions fees for residential and commercial
19 customers in its revenue requirement. The Company annualized the
20 total credit card fees charged from the first quarter of 2021 for both

¹² ACH payment is electronic payment that is created when the customer gives an originating institution, corporation, or other customer (originator) authorization to debit directly from the customer's checking or saving account for the purpose of bill payment.

1 residential and commercial customers to determine its adjustment.
2 The Public Staff disagrees with CWSNC's projection of fees and
3 instead used actual costs from the test year, including the second
4 quarter of 2020 through the first quarter of 2021, for residential
5 customers, as provided by the Company in response to Public Staff
6 Data Request No. 65. Actual, known and measurable credit card
7 usage data was also used to calculate credit card payment
8 processing fees included in the Duke Energy Carolina and Duke
9 Energy Progress rate cases.

10 While the Public Staff does not take issue with the inclusion of credit
11 card fees in the cost of service for residential customers, we have
12 removed the credit card fees associated with commercial customers.
13 Since credit card fees are based upon the total cost of the
14 transaction, the commercial credit card fees are substantially higher
15 than residential fees for each bill, and would unduly burden
16 residential ratepayers as the allocation of costs for residential
17 customers is greater than that of commercial customers.
18 Furthermore, neither DEC, DEP, nor Piedmont sought inclusion of
19 credit card fees associated with any other customer class other than
20 residential customers.

21 **Q. HAS THIS TYPE OF CREDIT CARD PROCESSING FEE BEEN**
22 **APPROVED IN OTHER CASES BY THE COMMISSION?**

1 A. Yes, as also stated in CWSNC witness Drennan's testimony, the
2 Commission has approved similar practices for residential customers
3 in Docket E-7, Sub 1214 for Duke Energy Carolinas and in Docket
4 No E-2, Sub 1219 for Duke Energy Progress. In its current General
5 Rate Case filed under Docket No. G-9, Sub 781, Piedmont Natural
6 Gas Company, Inc. has also proposed a similar treatment to their
7 convenience fees associated with customer service representative
8 payments for its residential customers¹³.

9 **Q. DOES THE PUBLIC STAFF HAVE ANY OTHER**
10 **RECOMMENDATIONS REGARDING THE PROPOSED**
11 **ALLOWANCE OF CREDIT CARD FEES FOR CUSTOMERS INTO**
12 **THE COST OF SERVICE?**

13 A. Yes. The Public Staff recommends that CWSNC track the impact of
14 the credit cards that no longer have a separate fee associated with
15 the payment on the late payment and uncollectible accounts and
16 report the quantitative impact to the Commission on a quarterly
17 basis.

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

19 A. Yes.

¹³ Piedmont Natural Gas Company, Inc.'s original credit card fee approval was approved by the Commission in Docket No. G-9, Sub 550.

CWSNC Water

Uniform Rates - Service Areas

Amber Acres North ¹	Kings Grant - Charlotte
Amber Acres ¹	Kynwood Abington
Amber Ridge ¹	Larkhaven
Bahia Bay	Lemmond Acres
Bear Paw	Linsey Pointe
Beechbrook	Linville Ridge
Belvedere Plantation	Mason Landing
Bent Creek/Mt Carmel	Meadow Glen
Brandywine Bay	Misty Mountain
Buffalo Creek	Monterray
Carriage Manor	Mt Mitchell
Chapel Hills	Nero
College Park	Neuse Woods
Country Club Annex	Oakdale Terrace
Country Crossing	Oakes Plantation
Country Hills	Olde Lamp Place
Crest View Estates	Olde Point
Crystal Mountain	Pinnacle Shores
Danby	Powder Horn Mountain
Eagle Crossing	Quail Ridge CWS
Eastgate	Queens Harbor
Eastwood Forest	Randall Forest
Elk River	Red Bird
Fairfield Mountain/Apple Valley	Ridges at Mountain Harbor
Forest Brook	Riverwood
Forest Hills	Rutledge Landing North
Grandview at T-Square	Rutledge Landing ¹
Harbor House Estates	Saddlewood
Heather Glen	Sandy Trail ¹
Heathfield	Sapphire Valley
Hestron Park	Sherwood Forest
Hidden Hollow	Sherwood Park
High Meadows	Ski Country
Holly Acres	Ski Mountain
Hound Ears	Stone Hollow
Huntington Forest	Suburban Heights
Jordan Woods	Sugar Mountain

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CWSNC Water

Uniform Rates - Service Areas (Continued)

Tanglewood Estates
The Point
Transylvania Util./Connestee Falls
Tuckahoe
Watauga Vista
Waterglyn
Westwood Forest
Wilders Village
Wildlife Bay
Wildwood Green
Wolf Laurel
Wood Trace
Woodhaven

Purchased Water Systems - Service Areas

Carolina Trace
Carolina Forest
Eastgate & Tanglewood South
High Vista
Riverbend Estates
Riverpointe
Whispering Pines
White Oak Plantation/Winston Pointe
Winston Plantation
Willowbrook
Woodrun
Yorktown
Zemosa Acres

BF/FH/TC - Service Areas

Bradfield Farms
Fairfield Harbour
Treasure Cove
Silverton/Pace

Note (1): Indicates subdivisions that comprise the Ashley Hills master system (Uniform water)

CWSNC Sewer

Uniform Rates - Service Areas

Amber Acres	Monterary Shores
Amber Ridge	Nagshead
Ashley Hills	Nero
Bear Paw	Olde Point
Belvedere Plantation	Queens Harbor
Bent Creek	Riverpointe
Brandywine Bay	Rutledge Landing North
Carolina Pines	Rutledge Landing
Corolla Light	Saddlewood
Danby	Sandy Trail
Elk River	Sapphire Valley
Hestron Park	Sugar Mountain
Hound Ears	Transylvania Util./Connestee Falls
Independent/Hemby	Wolf Laurel
Kings Grant - Raleigh	Willowbrook
Kynwood Abington	

Subdivision Specific Rates - Service Areas

Ridges at Mountain Harbour
Mt Carmel
Fairfield Mountain/Apple Valley
Regalwood & White Oak
White Oak High School
Child Daycare

Purchased Sewer Systems - Service Areas

College Park
Kings Grant - Charlotte
White Oak Planation/Winston Pointe/Lee Forest

BF/FH/TC - Service Areas

Bradfield Farms
Hawthorne at the Green¹
Beaver Farms¹
Woodland Farms¹
Fairfield Harbour
Pace/Silverton

Note (1): Indicates bulk sewer accounts billed to Aqua NC

WATER UTILITY SERVICE UNDER UNIFORM RATES

Monthly Metered Water Service: (Residential and Commercial)

	<u>Existing</u>	<u>Proposed</u>
Base Facility Charges (zero usage)		
< 1" meter	\$ 28.92	\$ 31.00
1" meter	\$ 72.30	\$ 77.50
1-1/2" meter	\$ 144.60	\$ 155.00
2" meter	\$ 231.36	\$ 248.00
3" meter	\$ 433.80	\$ 465.00
4" meter	\$ 723.00	\$ 775.00
6" meter	\$1,446.00	\$1,550.00

	<u>Existing</u>	<u>Proposed</u>
Usage Charge, per 1,000 gallons		
Treated Water	\$ 8.27	\$ 9.70
Untreated Water (Brandywine Bay Irrigation Water)	\$ 4.23	\$ 4.96

Purchased Water for Resale

<u>Service Area</u>	<u>Bulk Provider</u>	Usage Charge per 1,000 gallons	
		<u>Existing</u>	<u>Proposed</u>
Carolina Forest	Montgomery County	\$ 3.19	\$ 3.19
Eastgate & Tanglewood South	Fayetteville PWC	\$ 8.27	\$ 5.64
High Vista Estates	City of Hendersonville	\$ 4.72	\$ 4.72
Riverbend Estates	Town of Franklin	\$ 8.10	\$ 8.10
Riverpointe	Charlotte Water	\$ 7.07	\$ 7.07
Whispering Pines	Town of Southern Pines	\$ 3.52	\$ 3.52
White Oak Plantation/ Lee Forest	Johnston County	\$ 3.02	\$ 3.02
Willowbrook	Johnston County	\$ 8.27	\$ 3.02
Winston Plantation	Johnston County	\$ 3.02	\$ 3.02
Winston Pointe	Johnston County	\$ 3.02	\$ 3.02
Woodrun	Montgomery County	\$ 3.19	\$ 3.19
Yorktown	City of Winston-Salem	\$ 5.79	\$ 5.79
Zemosa Acres	City of Concord	\$ 5.52	\$ 5.52
Carolina Trace	City of Sanford	\$ 2.21	\$ 2.21

<u>Monthly Flat Rate Water Service:</u> (per residence or single-family equivalent)	\$ 58.54	\$ 65.23
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Availability Rates (semi-annual):

Applicable only to property owners in Carolina Forest and Woodrun Subdivisions in Montgomery County	\$ 27.15	\$ 27.15
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Availability Rates (Monthly):

Applicable only to property owners in Linville Ridge Subdivision	\$ 13.60	\$ 13.60
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Availability Rates (Monthly):

Applicable only to property owners in Fairfield Sapphire Valley Service Area	\$ 10.05	\$ 10.05
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Availability Rates (Monthly):

Applicable only to property owners in Connestee Falls	\$ 5.30	\$ 5.30
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SEWER UTILITY SERVICE UNDER UNIFORM RATES

Monthly Metered Sewer Service:

Base Facility Charges		<u>Existing</u>	<u>Proposed</u>
Residential (zero usage)		\$ 58.91	\$ 64.09
Commercial (zero usage)			
<1" meter		\$ 58.91	\$ 64.09
1" meter		\$ 147.28	\$ 160.23
1-1/2" meter		\$ 294.55	\$ 320.45
2" meter		\$ 471.28	\$ 512.72
3" meter		\$ 883.65	\$ 961.35
4" meter		\$1,472.75	\$1,602.25
6" meter		\$2,945.50	\$3,204.50
Usage Charge, per 1,000 gallons		\$ 4.59	\$ 5.77

Monthly Metered Purchased Sewer Service:

Collection charge (Residential and commercial/SFE)		\$ 41.24	\$ 44.87
Usage charge, per 1,000 gallons based on purchased water			
<u>Service Area</u>	<u>Bulk Provider</u>	<u>Existing</u>	<u>Proposed</u>
White Oak Plantation/ Lee Forest/Winston Pointe	Johnston County	\$ 6.45	\$ 6.45
Kings Grant	Two Rivers Utilities	\$ 4.39	\$ 4.39
College Park	Town of Dallas	\$ 7.77	\$ 7.77

Monthly Flat Rate Sewer Service:

Multi-residential customers who are served by a Master meter shall be charged the flat rate per unit		\$ 73.73	\$ 84.31
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Mt. Carmel Subdivision Service Area:

Monthly Base Facility Charge		\$ 7.49	\$ 7.49
Monthly Collection Charge (Residential and commercial/SFE)		\$ 41.24	\$ 44.87
Usage Charge/1,000 gallons (Based on metered water usage)		\$ 6.51	\$ 6.51

Regalwood and White Oak Estates Subdivision Service Area:

Monthly Flat Rate Sewer Service:

	<u>Existing</u>	<u>Proposed</u>
Residential Service	\$ 73.73	\$ 84.31
White Oak High School	\$2,187.33	\$2,283.50
Child Castle Daycare	\$ 280.41	\$ 292.74
Pantry	\$ 153.76	\$ 160.52

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

Monthly Sewer Rates:

Residential	<u>Existing</u>	<u>Proposed</u>
Collection charge/dwelling unit	\$ 41.24	\$ 44.87

Treatment charge/dwelling unit	\$ 90.00	\$ 90.00
Total monthly flat rate/dwelling charge	\$ 131.24	\$ 134.87
 Commercial and Other		
Minimum monthly collection and treatment charge	\$ 131.24	\$ 134.87
Monthly collection and treatment charge for Customers who do not take water service (per single family equivalent)	\$ 131.24	\$ 134.87
 Treatment charge per dwelling unit		
Small (less than 2,500 gallons per month)	\$ 103.00	\$ 103.00
Medium (2,500 to 10,000 gallons per month)	\$ 182.00	\$ 182.00
Large (over 10,000 gallons per month)	\$ 286.00	\$ 286.00
Collection Charge (per 1,000 gallons)	\$ 13.93	\$ 13.93

The Ridges at Mountain Harbour:

Monthly Sewer Rates:

Collection Charge (Residential and Commercial)	\$ 41.24	\$ 44.87
Treatment Charge (Residential and Commercial)		
< 1" meter	\$ 18.42	\$ 16.95
2" meter	\$ 147.36	\$ 135.60

Availability Rates (Monthly):

Applicable only to property owners in Fairfield Sapphire Valley Service Area	\$ 10.20	\$ 10.20
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Availability Rates (Monthly):

Applicable only to property owners in Connestee Falls	\$ 5.75	\$ 5.75
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**TREASURE COVE, REGISTER PLACE ESTATES, NORTH HILLS, GLEN ARBOR/NORTH
BENDSUBDIVISIONS, FAIRFIELD HARBOUR SERVICE AREA, BRADFIELD FARMS SUBDIVISION,
LARKHAVEN SUBDIVISION, SILVERTON AND WOODLAND FARMS SUBDIVISION, AND HAWTHORNE
AT THE GREEN APARTMENTS**

Monthly Metered Water Service: (Residential and Commercial)

Base Facility Charges (based on meter size with zero usage)		<u>Existing</u>	<u>Proposed</u>
< 1" meter	\$ 17.30	\$ 22.10	
1" meter	\$ 43.25	\$ 55.25	
1-1/2" meter	\$ 86.50	\$110.50	
2" meter	\$ 138.40	\$176.80	
Usage Charge, per 1,000 gallons	\$ 4.20	\$ 5.61	

Availability Rates (Monthly):

Applicable only to property owners in Fairfield Harbour Service Area	\$ 3.55	\$ 3.55
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Monthly Sewer Service:

	<u>Existing</u>	<u>Proposed</u>
<u>Residential:</u>		
Flat Rate, per dwelling unit	\$ 53.91	\$ 61.75
Bulk Flat Rate, per REU	\$ 53.91	\$ 61.75
<u>Commercial and other</u>		
Monthly Flat Rate (Customers who do not take water service)	\$ 53.91	\$ 61.75
Monthly Metered Rates (based on meter size with zero usage)		
	<u>Existing</u>	<u>Proposed</u>
< 1" meter	\$ 44.62	\$ 51.11
1" meter	\$ 111.55	\$ 127.77
1-1/2" meter	\$ 223.10	\$ 255.54
2" meter	\$ 356.96	\$ 408.87
Usage charge, per 1,000 gallons	\$ 2.25	\$ 2.54
<u>Bulk Sewer Service for Hawthorne at the Green Apartments</u>		
Bulk Flat Rate, per REU	\$ 53.91	\$ 61.75

Availability Rates (Monthly):

Applicable only to property owners in Fairfield Harbour Service Area	\$ 2.85	\$ 2.85
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Billing Analysis for End of Period Customers

CWSNC Uniform Water

Service Area	Total										Res.	Total										Comm.	EOP	Availab
	5/8 R	3/4 R	1 R	1.5 R	2 R	3 R	4 R	6 R	Flat R	5/8 C		3/4 C	1 C	1.5 C	2 C	3 C	4 C	6 C	Flat C					
Amber Acres North	703									703	1									1	704			
Amber Acres	94									94										0	94			
Amber Ridge	123									123										0	123			
Bahia Bay	109									109										0	109			
Bear Paw	347	3								350	5	1								6	356			
Beechbrook	37									37										0	37			
Belvedere Plantation	1267		3							1270	3	1		7	3					14	1284			
Bent Creek/ Mt Carmel	302	1								303	1									1	304			
Brandywine Bay	850		3		1					854	10	3								13	867			
Buffalo Creek	282									282										0	282			
Carriage Manor	116									116										0	116			
Chapel Hills	92									92										0	92			
College Park	80									80										0	80			
Country Club Annex	14									14										0	14			
Country Crossing	53									53										0	53			
Country Hills	66									66										0	66			
Crest View Estates	37									37										0	37			
Crystal Mountain	49									49										0	49			
Danby	1273		3							1276	2	2	1	1						6	1282			
Eagle Crossing	77									77										0	77			
Eastwood Forest	130									130	1									1	131			
Elk River	1	272	14							287	1	31	1		2					35	322			
Fairfield Mt	662	13	1							676	28	1	2	2	1					34	710			
Fairfield Mt/Apple Valley	344	5	11							360	17		2	1	2					22	382			
Forest Brook	78									78		1								1	79			
Forest Hills	118									118	1		1	3						5	123			
Grandview at T-Square	74									74	1									1	75			
Harbor House Estates	8									8										0	8			
Heather Glen	103									103										0	103			
Heathfield	64									64		1								1	65			
Hestron Park			1							1	1			2	7					10	11			
Hidden Hollow	45									45										0	45			

Billing Analysis for End of Period Customers

CWSNC Uniform Water

Service Area	Total														Total Comm.	Total EOP	Availab					
	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	3/4 C	1 C	1.5 C				2 C	3 C	4 C	6 C	Flat C
High Meadows	264									264	3				1					4	268	
Holly Acres	51									51			1							1	52	
Hound Ears	413		6	1	1					421	8		2		2					12	433	
Huntington Forest	67									67										0	67	
Jordan Woods	34									34										0	34	
Kings Grant - Charlotte	178		1							179	1									1	180	
Kynwood Abington	593									593	1									1	594	
Larkhaven	144	15								159										0	159	
Lemmond Acres	33									33	1									1	34	
Linsey Pointe	30									30										0	30	
Linville Ridge	19	328	22		2					371	1		1		4	1				7	378	41
Mason Landing	15									15	1				1					2	17	
Meadow Glen	34									34										0	34	
Misty Mountain	143									143										0	143	
Monterrey	27									27										0	27	
Mt Mitchell	205									205	1		1	2	1				16	21	226	
Nero	127									127										0	127	
Neuse Woods	104									104										0	104	
Oakdale Terrace	43									43										0	43	
Oakes Plantation	24									24										0	24	
Olde Lamp Place	46	1								47										0	47	
Olde Point	198		2							200	1				1					2	202	
Pinnacle Shores	158									158	9									9	167	
Powder Horn Mountain	233									233	2		1							3	236	
Quail Ridge CWS	174		2							176	1									1	177	
Queens Harbor	113									113	2						1			3	116	
Randall Forest	46									46										0	46	
Red Bird	8									8										0	8	
Ridges at Mountain Harbour	60									60	1				1					2	62	
Riverwood (Johnston Co.)	203	1	1		1					206				1						1	207	
Rutledge Landing North	60									60										0	60	
Rutledge Landing	283									283	2									2	285	

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Billing Analysis for End of Period Customers

CWSNC Uniform Water

Service Area	Total										Total										EOP	Availab
	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	3/4 C	1 C	1.5 C	2 C	3 C	4 C	6 C	Flat C	Comm.		
Saddlewood	126									126										0	126	
Sandy Trail	146									146	1									1	147	
Sapphire Valley	1579	4	5	33	17					1638	40	1	2	6	7	1				57	1695	716
Sherwood Forest CWS	262									262	3			1	1					5	267	
Sherwood Park	95									95				1						1	96	
Ski Country	71									71										0	71	
Ski Mountain	246									246										0	246	
Stewarts Ridge	48									48										0	48	
Stone Hollow	224									224	1									1	225	
Suburban Heights	24									24										0	24	
Sugar Mountain	1297		1							1298	53		4	3	22					82	1380	
Tanglewood Estates	104									104					1					1	105	
The Point	1537		2	1						1540	15		3	1	3			2		24	1564	
Transylvania Util./Connestee Falls	1387	1								1388	16				2					18	1406	375
Tuckahoe	86									86										0	86	
Watauga Vista	141									141										0	141	
Waterglyn	45									45										0	45	
Westwood Forest	123									123										0	123	
Wilders Village	41									41										0	41	
Wildlife Bay	83									83	1									1	84	
Wildwood Green	234									234	1									1	235	
Wolf Laurel	649									649	6		14		3					23	672	
Wood Trace	46									46										0	46	
Woodhaven	80									80										0	80	
Total Uniform	20402	644	78	35	22	0	0	0	0	21181	244	33	44	24	70	5	1	2	16	423	21604	1132

Billing Analysis for End of Period Customers

Purchased Water Service Area	Total																	Total	Total	Availab		
	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	3/4 C	1 C	1.5 C	2 C	3 C	4 C	6 C	Flat C		Comm.	EOP
Carolina Trace	1622		1		1					1624	25	1	1	1	1					29	1653	
Carolina Forest	214		1							215	4		1	1						6	221	711
Eastgate	64									64	1									1	65	
High Vista	234		1							235	3				1					4	239	
Riverbend Estates	142									142										0	142	
Riverpointe (2)	192									192	5									5	197	
Tanglewood South	92									92										0	92	
Whispering Pines	1597		16							1613	28		6	5	1		1			41	1654	
White Oak Plantation/Winston Pointe	512									512										0	512	
Winston Plantation (3)	87	1								88				1						1	89	
Willowbrook	169									169			1							1	170	
Woodrun	476		1							477	4		1							5	482	630
Yorktown	104									104										0	104	
Zemoso Acres	237	1	3							241			1							1	242	
Total	5742	2	23	0	1	0	0	0	0	5768	70	1	11	8	3	0	1	0	0	94	5862	1341

BF/FH/TC Service Area	Total																	Total	Total	Availab		
	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	3/4 C	1 C	1.5 C	2 C	3 C	4 C	6 C	Flat C		Comm.	EOP
Bradfield Farms	1022	96								1118	1		4							5	1123	
Fairfield Harbour	1791	3	1							1795	18		1	5	2					26	1821	901
Treasure Cove	295	3	1		1					300										0	300	
Silverton/Pace	62									62										0	62	
Total	3170	102	2	0	1	0	0	0	0	3275	19	0	5	5	2	0	0	0	0	31	3306	901

Notes:

- Ashley Hills master system consists of several subdivisions that are currently being tracked separately when previously were tracked as one system. CWSNC has stated that there is a mismatch in the tracking of the individual subdivisions, but that overall the total of the subdivision data is correct for the overall system. This mismatch is being corrected over time. The subdivisions that comprise the Ashley Hills system are: Amber Acres, Amber Acres North, Amber Ridge, Rutledge Landing, and Sandy Trail.
- Riverpointe - In July 2020, a 1" residential customer had a meter exchange to a 5/8" residential meter. The usage recorded for the 1" residential meter was moved to the 5/8" residential meter total.
- Winston Plantation is included with the White Oak Plantation/Winston Pointe/Winston Plantation purchased water system, provider is Johnston County.

Billing Analysis for End of Period Customers

CWSNC Uniform Sewer

Service Area	Total										Multi Flat						Total	Total	Avail			
	5/8 R	3/4 R	1 R	1.5 R	2 R	3 R	Flat R	Bulk	Res	5/8 C	3/4 C	1 C	1.5 C	2 C	3 C	4 C	6 C	Flat C		Comm	Comm	EOP
Amber Acres	9								9											0	9	
Amber Ridge	123								123											0	123	
Ashley Hills	620						1		621											0	621	
Bear Paw	68								68	3										3	71	
Belvedere Plantation	741		2						743	1				4	2				0	7	750	
Bent Creek	302	1							303											0	303	
Brandywine Bay	760		3		1		48		812	4									2	6	818	
Carolina Pines							314		314	1										1	315	
Carolina Trace	1592		1						1,593	16	1	1	1							19	1,612	
Corolla Light	394	1	29						424	14		8	2	1	1					26	450	
Danby	1,270		3				7		1,280	327			1	2					4	334	1,614	
Elk River		120	4						124		1	1		1						3	127	
Hestron Park									-	1			2	7					1	11	11	
Hound Ears	178		4						182	6		1		2						9	191	
Independent/Hemby							639		639										8	8	647	
Kings Grant - Raleigh							112		112											0	112	
Kynwood Abington	593						112		705	1										1	706	
Monteray Shores	401	3	63						467	50		8	1	1						60	527	
Nags Head (6)							563		563	10	1	9	4	9			2	60		95	658	
Nero	127								127											0	127	
Olde Point	121		2						123					1						1	124	
Queens Harbor	113								113	1						1				2	115	
Riverpointe	191								191	1										1	192	
Rutledge Landing North	60								60											0	60	
Rutledge Landing	283								283											0	283	
Saddlewood	18								18											0	18	
Sandy Trail	123								123											0	123	
Sapphire Valley	671		2	33	17				723	18	1	2	3	5	1					30	753	88
Sugar Mountain	1,047		1				15		1,063	36		3	2	18					4	63	1,126	
Transylvania Util./Connestee Falls	1,002	1					5		1,008	6				1						7	1,015	177
Wolf Laurel	56								56					2						2	58	
Willowbrook	169								169											0	169	
Total Uniform	11,032	126	114	33	18	-	1,816	-	13,139	496	4	33	16	54	4	1	2	60	19	689	13,828	265

Billing Analysis for End of Period Customers

Subdivision Specific Rates

Service Area	Total										Multi Flat							Total	Total		
	5/8 R	3/4 R	1 R	1.5 R	2 R	3 R	Flat R	Bulk	Res	5/8 C	3/4 C	1 C	1.5 C	2 C	3 C	4 C	6 C	Flat C	Comm	Comm	EOP
Ridges at Mountain Harbour	46								46	1				1						2	48
Mt Carmel	379								379											0	379
Fairfield Mountain (1,2,3)	296	10	1						307											0	307
Fairfield Mtn/Apple Valley (1,2,4)	84	2	11						97											0	97
Regalwood & White Oak (5)							1,067		1,067											0	1,067
White Oak High School							1		1											0	1
Child Daycare							1		1											0	1

Notes

- 1 Fairfield Mountain & Fairfield Mountain/Apple Valley are the same system, tracked on two accounts
- 2 Fairfield Mountain residential customers are flat rate
- 3 Fairfield Mountain treatment for commercial customers : ww only small 6, medium 6, large 2
- 4 Fairfield Mountain/Apple Valley for commercial customers: medium 5, large 1
- 5 Regalwood & White Oak has 1 daycare and 1 highschool sewer customers
- 6 Nagshead - 2 residential flat customers were reclassified to 36 flat commercial and 34 flat commercial (60 total)

Purchased Sewer

Service Area	Total										Multi Flat							Total	Total		
	5/8 R	3/4 R	1 R	1.5 R	2 R	3 R	Flat R	Bulk	Res.	5/8 C	3/4 C	1 C	1.5 C	2 C	3 C	4 C	6 C	Flat C	Comm	Comm	EOP
College Park	51						1		52											0	52
Kings Grant - Charlotte	177		1						178											0	178
White Oak Planation/Winston Pointe/Lee Forest	509								509											0	509
Total	737	-	1	-	-	-	1	-	739	0	0	0	0	0	0	0	0	0	0	0	739

Billing Analysis for End of Period Customers

Service Area	Multiple																	Total Comm	Total EOP	Total Avail		
	5/8 R	3/4 R	1 R	1.5 R	2 R	3 R	Flat	Bulk	Units	Res	5/8 C	3/4 C	1 C	1.5 C	2 C	3 C	4 C				6 C	Flat C
Bradfield Farms	1020	96					159		2	1,277			1							1	1,278	
Hawthorne at the Green (1)								169		169										0	169	
Beaver Farms (1)								7.5		8										0	8	
Woodland (1)								151		151										0	151	
Fairfield Harbour	1,778									1,778	11	3		4						18	1,796	902
Pace/Silverton	62									62										0	62	
Total	2860	96	0	0	0	0	159	327.5	2	3,115	11	3	1	4	0	0	0	0	0	19	3,134	902

Notes

1 Hawthorne at the Green, Beaver Farms, and Woodland are bulk sewer accounts billed from Aqua NC. The 3 accounts have multiple units and CWSNC and the Public Staff agree on the listed dwelling units amounts.

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Billing Analysis for Consumption

CWSNC Water

Service Area	Residential						Commercial						Total		
	5/8 R	3/4 R	1 R	1.5 R	2 R	5/8 C	3/4 C	1 C	1.5 C	2 C	3 C	4 C		6 C	
Amber Acres North	39,782,280					8,990								8,990	39,791,270
Amber Acres	4,323,601													-	4,323,601
Amber Ridge	2,258,180													-	2,258,180
Bahia Bay	4,888,926													-	4,888,926
Bear Paw	6,543,230	80,960				277,380		320,100						597,480	7,221,670
Beechbrook	1,463,750					1,463,750								-	1,463,750
Belvedere Plantation	69,596,887		275,120			153,050		19,490		2,857,448	5,351,870			8,381,858	78,253,865
Bent Creek/Mt Carmel	11,419,404	30,011				28,843								28,843	11,478,258
Brandywine Bay	35,010,262		187,440		67,400	333,200		1,721,750						2,054,950	37,320,052
Buffalo Creek	13,753,461					13,753,461								-	13,753,461
Carriage Manor	6,077,224					6,077,224								-	6,077,224
Chapel Hills	3,368,960					3,368,960								-	3,368,960
College Park	3,604,248					3,604,248								-	3,604,248
Country Club Annex	842,240					842,240								-	842,240
Country Crossing	2,433,130					2,433,130								-	2,433,130
Country Hills	3,803,404					3,803,404								-	3,803,404
Crest View Estates	1,267,460					1,267,460								-	1,267,460
Crystal Mountain	1,027,791					1,027,791								-	1,027,791
Danby	65,860,766		131,990			98,730			622,800	23,900				745,430	66,738,186
Eagle Crossing	3,533,320					3,533,320								-	3,533,320
Eastwood Forest	5,903,475					5,903,475	13,770							13,770	5,917,245
Elk River	28,419	8,085,314	1,708,091			9,821,824	334	642,613	470,107		380,500			1,493,554	11,315,378
Fairfield Mountain	21,155,067	404,346	10,125			21,569,538	703,294	1	1,915,290	164,172	87,305			2,870,062	24,439,600
Fairfield Mountain/Apple Valley	9,662,613	163,150	1,176,256			11,002,019	233,733		194,672	15,058	54,061			497,524	11,499,543
Forest Brook	4,147,890					4,147,890			165,350					165,350	4,313,240
Forest Hills	6,000,276					6,000,276	132,850		148,840	1,008,810				1,290,500	7,290,776
Grandview at T-Square	3,331,440					3,331,440	68,660							68,660	3,400,100
Harbor House Estates	486,860					486,860								-	486,860
Heather Glen	5,367,768					5,367,768								-	5,367,768
Heathfield	6,104,820					6,104,820		16,390						16,390	6,121,210
Hestron Park						-	31,730			479,200	2,573,341			3,084,271	3,084,271
Hidden Hollow	2,187,320					2,187,320								-	2,187,320
High Meadows	6,880,352					6,880,352	759,787			156,229				916,016	7,796,368
Holly Acres	2,482,900					2,482,900			290,700					290,700	2,773,600
Hound Ears	10,711,733		31,538	22,500	77,000	10,842,771	346,761		314,869		383,590			1,045,220	11,887,991
Huntington Forest	3,111,281					3,111,281								-	3,111,281
Jordan Woods	1,620,810					1,620,810								-	1,620,810
Kings Grant - Charlotte	7,625,080		204,120			7,829,200	62,350							62,350	7,891,550
Kynwood Abington	31,122,659					31,122,659	218,690							218,690	31,341,349
Larkhaven	8,976,852	989,980				9,966,832								-	9,966,832

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CWSNC Water

Service Area	Residential						Commercial						Total		
	5/8 R	3/4 R	1 R	1.5 R	2 R	5/8 C	3/4 C	1 C	1.5 C	2 C	3 C	4 C		6 C	
Lemmond Acres	1,914,503					93,430								93,430	2,007,933
Linsey Pointe	1,775,820													-	1,775,820
Linville Ridge	809,015	10,377,068	2,163,639		70,066	13,419,788	146	938,109		1,814,508	303,526			3,056,289	16,476,077
Mason Landing	1,143,180					1,143,180				304,600				304,600	1,447,780
Meadow Glen	1,758,300					1,758,300								-	1,758,300
Misty Mountain	3,643,721					3,643,721								-	3,643,721
Monterrey	1,472,450					1,472,450								-	1,472,450
Mt Mitchell	5,265,357					5,265,357	4,000	60,817	146,424	2,730				213,971	5,479,328
Nero	6,140,517					6,140,517								-	6,140,517
Neuse Woods	5,594,150					5,594,150								-	5,594,150
Oakdale Terrace	1,462,740					1,462,740								-	1,462,740
Oakes Plantation	1,347,660					1,347,660								-	1,347,660
Olde Lamp Place	1,970,256	47,730				2,017,986								-	2,017,986
Olde Point	8,132,370		68,510			8,200,880	49,170			649,800				698,970	8,899,850
Pinnacle Shores	11,134,405					11,134,405	1,175,220							1,175,220	12,309,625
Powder Horn Mountain	5,221,752					5,221,752	10,538	222,632						233,170	5,454,922
Quail Ridge	8,057,110		139,340			8,196,450	136,610							136,610	8,333,060
Queens Harbor	4,103,492					4,103,492	98,220					810,950		909,170	5,012,662
Randall Forest	1,907,717					1,907,717								-	1,907,717
Red Bird	142,350					142,350								-	142,350
Ridges at Mountain Harbour	2,060,410					2,060,410	338,840			44,800				383,640	2,444,050
Riverwood (Johnston County)	11,853,950	89,790	108,860			12,052,600			50,070					50,070	12,102,670
Rutledge Landing North	1,535,388					1,535,388								-	1,535,388
Rutledge Landing	12,792,276					12,792,276								-	12,792,276
Saddlewood	5,874,080					5,874,080								-	5,874,080
Sandy Trail	7,246,442					7,246,442								-	7,246,442
Sapphire Valley	42,003,666	37,027	277,640	4,623,388	2,409,326	49,351,047	1,667,490	25	685,104	1,093,247	977,339	1,345,098		5,768,303	55,119,350
Sherwood Forest	7,355,105					7,355,105	91,920			190,130	966,049			1,248,099	8,603,204
Sherwood Park	5,222,290					5,222,290			264,010					264,010	5,486,300
Ski Country	766,546					766,546								-	766,546
Ski Mountain	8,318,369					8,318,369								-	8,318,369
Stewarts Ridge	2,662,520					2,662,520								-	2,662,520
Stone Hollow	10,939,959					10,939,959	13,550							13,550	10,953,509
Suburban Heights	892,680					892,680								-	892,680
Sugar Mountain	30,744,578		102,365			30,846,943	2,819,520		502,718	1,192,742	7,499,186			12,014,166	42,861,109
Tanglewood Esates	5,593,460					5,593,460					1,562,610			1,562,610	7,156,070
The Point	188,745,394		210,730	110,000		189,066,124	1,088,540		584,200	603,700	1,028,840		3,837,540	7,142,820	196,208,944
Transylvania Util./Connestee Falls	42,180,660	6,905				42,187,565	440,776				96,983			537,759	42,725,324
Tuckahoe	4,660,570					4,660,570								-	4,660,570
Watauga Vista	3,544,639					3,544,639								-	3,544,639
Waterglyn	1,725,778					1,725,778								-	1,725,778

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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						Total	
						5/8 C	3/4 C	1 C	1.5 C	2 C	3 C	4 C	6 C						
Westwood Forest	5,572,121					5,572,121												-	5,572,121
Wilders Village	1,960,024					1,960,024												-	1,960,024
Wildlife Bay	5,191,530					5,191,530	170											170	5,191,700
Wildwood green	11,646,500					11,646,500	4,550											4,550	11,651,050
Wolf Laurel	15,585,020					15,585,020	589,808		231,600			353,200						1,174,608	16,759,628
Wood Trace	2,033,980					2,033,980												-	2,033,980
Woodhaven (1)	3,024,760					3,024,760												-	3,024,760
Total Uniform	932,495,699	20,312,281	6,795,764	4,755,888	2,623,792	966,983,424	12,094,650	642,639	8,802,738	5,830,363	21,817,019	7,000,494	810,950	3,837,540	60,836,393	1,027,819,817			
Irrigation (2)																			

Service Area	5/8 R	3/4 R	1 R	1.5 R	2 R	Total Residential						Total Commercial						Total	
						5/8 C	3/4 C	1 C	1.5 C	2 C	3 C	4 C	6 C						
Carolina Trace	63,585,966		63,750		4,000	63,653,716	1,086,280	40,180	55,070	324,600	4,434,830							5,940,960	69,594,676
Carolina Forest	7,587,001		10,430			7,597,431	58,150		27,210	44,505								129,865	7,727,296
Eastgate	2,633,000					2,633,000	4,610											4,610	2,637,610
High Vista	11,794,659		69,450			11,864,109	144,323				114,514							258,837	12,122,946
Riverpointe (3)	14,760,478					14,760,478	372,620											372,620	15,133,098
Riverbend Estates	6,081,974					6,081,974												-	6,081,974
Tanglewood South	3,992,540					3,992,540												-	3,992,540
Whispering Pines	89,683,021		1,611,740			91,294,761	1,864,440		2,052,200	608,410	408,700		700					4,934,450	96,229,211
WhiteOakPlantation/WinstonPointe	27,627,355					27,627,355												-	27,627,355
Winston Plantation	5,023,300	64,740				5,088,040				433,700								433,700	5,521,740
Willowbrook	5,669,326					5,669,326			141,650									141,650	5,810,976
Woodrun	19,188,966		23,830			19,212,796	99,290		392,550									491,840	19,704,636
Yorktown	3,596,470					3,596,470												-	3,596,470
Zemosa Acres	11,809,514	78,869	84,490			11,972,873			183,858									183,858	12,156,731

Service Area	5/8 R	3/4 R	1 R	1.5 R	2 R	Total Residential						Total Commercial						Total	
						5/8 C	3/4 C	1 C	1.5 C	2 C	3 C	4 C	6 C						
Bradfield Farms	60,733,137	6,063,828				66,796,965	245,960		253,020									498,980	67,295,945
Fairfield Harbor	73,743,352	67,430	93,420			73,904,202	1,230,210		47,731	727,620	292,700							2,298,261	76,202,463
Treasure Cove	17,683,440	160,700	99,350		57,000	18,000,490												-	18,000,490
Silverton/Pace	3,936,760					3,936,760												-	3,936,760
Total BF/FH/TC	156,096,689	6,291,958	192,770	-	57,000	162,638,417	1,476,170	-	300,751	727,620	292,700	-	-	-	-	-	-	2,797,241	165,435,658

Notes:

1. Woodhaven - In July 2020, 1" residential customers had a meter exchange to a 5/8" residential meter. The usage recorded for the 1" residential meter was moved to the 5/8" residential meter total.
2. Irrigation - In past rate cases, Brandywine Bay and/or Hestron Park McDonalds has had metered irrigation charged at a reduced uniform rate. This case there was no irrigation usage.
3. Riverpointe - In July 2020, a 1" residential customer had a meter exchange to a 5/8" residential meter. The usage recorded for the 1" residential meter was moved to the 5/8" residential meter total.

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Billing Analysis for Consumption

CWSNC Sewer

Service Area	Total															Total Commercial	Grand Total
	5/8 R	3/4 R	1 R	1.5 R	2 R	Residential	5/8 C	3/4 C	1 C	1.5 C	2 C	3 C	4 C	6C			
Amber Acres	246,440					246,440										-	246,440
Amber Ridge	2,258,180					2,258,180										-	2,258,180
Ashley Hills	33,643,584					33,643,584										-	33,643,584
Bear Paw	942,250					942,250	46,250									46,250	988,500
Belvedere Plantation	35,424,952			155,600		35,580,552	151,490				2,497,848	5,063,770			7,713,108	43,293,660	
Bent Creek	11,419,404	30,011				11,449,415										-	11,449,415
Brandywine Bay	30,616,112			187,440	67,400	30,870,952	174,360									174,360	31,045,312
Carolina Pines						-										-	-
Carolina Trace	62,600,956			63,750	4,000	62,668,706	926,660	40,180	55,070	324,600					1,346,510	64,015,216	
Corolla Light	25,512,947	15,510	3,335,050			28,863,507	1,083,560		1,347,740	620,100	116,800	16,000			3,184,200	32,047,707	
Danby	65,796,016			131,990		65,928,006	18,786,171			622,800	794,400				20,203,371	86,131,377	
Elk River		2,111,184	154,270			2,265,454		43,442	470,107		380,500				894,049	3,159,503	
Hestron Park						-	31,730			479,200	2,573,341				3,084,271	3,084,271	
Hound Ears	3,954,032			21,378		3,975,410	261,636		35,280		383,590				680,506	4,655,916	
Independent/Hemby						-									-	-	
Kings Grant - Raleigh						-									-	-	
Kynwood Abington	31,122,659					31,122,659	218,690								218,690	31,341,349	
Monteray Shores	24,431,057	536,870	7,867,025			32,834,952	3,625,820		1,230,530	185,500	366,100				5,407,950	38,242,902	
Nags Head						-	610,470	208,100	3,888,840	723,400	3,192,400			6,306,610	14,929,820	14,929,820	
Nero	6,140,517					6,140,517									-	6,140,517	
Olde Point	4,164,220			68,510		4,232,730					649,800				649,800	4,882,530	
Queens Harbor	4,103,492					4,103,492	89,830						810,950		900,780	5,004,272	
Riverpointe	14,646,608			41,420		14,688,028	25,650								25,650	14,713,678	
Rutledge Landing North	1,615,628					1,615,628									-	1,615,628	
Rutledge Landing	12,712,036					12,712,036									-	12,712,036	
Saddlewood	864,190					864,190									-	864,190	
Sandy Trail	6,526,842					6,526,842									-	6,526,842	
Sapphire Valley (1)	17,078,612			38,423	4,623,388	2,409,326	24,149,749	1,327,167	25	685,104	743,495	918,934	1,345,098		5,019,823	29,169,572	

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CWSNC Sewer

Service Area	Total														Total	Grand
	5/8 R	3/4 R	1 R	1.5 R	2 R	Residential	5/8 C	3/4 C	1 C	1.5 C	2 C	3 C	4C	6C	Commercial	Total
Sugar Mountain	22,573,174		102,365			22,675,539	1,566,368		421,064	1,183,888	7,126,588				10,297,908	32,973,447
Transylvania Util./Connestee Falls	31,153,000	6,905				31,159,905	164,327				59,207				223,534	31,383,439
Willowbrook	5,669,326					5,669,326									-	5,669,326
Wolf Laurel	981,311					981,311					348,300				348,300	1,329,611
Total Uniform	456,197,545	2,700,480	12,167,221	4,623,388	2,480,726	478,169,360	29,090,179	291,747	8,133,735	4,882,983	19,407,808	6,424,868	810,950	6,306,610	75,348,880	553,518,240

Subdivision Specific Rates

Ridges at Mountain Harbour	1,500,300					1,500,300	338,840				44,800				383,640	1,883,940
Mt Carmel	15,305,857					15,305,857									-	15,305,857
Fairfield Mountain	8,643,158	236,290	64,152			8,943,600									-	8,943,600
Fairfield Mountain/Apple Valley	2,039,511	6,300	1,122,229			3,168,040									-	3,168,040
Regalwood & White Oak	-					-									-	-
White Oak High School	-					-									-	-
Child Daycare	-					-									-	-

Purchased Sewer

College Park	2,408,770					2,408,770									-	2,408,770
Kings Grant - Charlotte	7,625,080		204,120			7,829,200									-	7,829,200
WhiteOakPlantation/WinstonPointe	27,451,855					27,451,855									-	27,451,855

	Fairfield Mtn	Fa.Mtn./Ap.Val.	
	Commercial	Commercial	Total
LG	337,787	12,957	350,744
MED	907,035	349,168	1,256,203
SM	188,360	-	188,360

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Billing Analysis for Consumption

CWSNC Sewer

BF/FH/TC Sewer (2)

Service Area	Total														Total	Grand	
	5/8 R	3/4 R	1 R	1.5R	2 R	Residential	5/8 C	3/4 C	1 C	1.5 C	2 C	3 C	4 C	6C	Commercial	Total	
Bradfield Farms	60,696,367	6,063,828				66,760,195			10,670							10,670	66,770,865
Fairfield Harbour	73,112,902		-			73,112,902	906,070	67,430		289,720	-					1,263,220	74,376,122
Silverton	3,936,760					3,936,760										-	3,936,760
Total	137,746,029	6,063,828	-	-	-	143,809,857	906,070	67,430	10,670	289,720	-	-	-	-	1,273,890	145,083,747	

Note (1): Sapphire Valley had 11,486 usage listed for a 5/8" commercial meter with no active customer listed. CWS confirmed that this usage should be reallocated to 5/8" residential usage.

Note (2): BF/FH/TC sewer residential customers are charged a flat rate.

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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
Present Rates								
5/8" Residential Metered		\$8.27				\$28.92		
Metered Residential								
5/8" Residential Metered	932,495,699	\$8.27	\$7,711,739	20,402	244,824	\$28.92	\$7,080,310	\$14,792,050
3/4" Residential Metered	20,312,281	\$8.27	\$167,983	644	7,728	\$28.92	\$223,494	\$391,476
1" Residential Metered	6,795,764	\$8.27	\$56,201	78	936	\$72.30	\$67,673	\$123,874
1.5" Residential Metered	4,755,888	\$8.27	\$39,331	35	420	\$144.60	\$60,732	\$100,063
2" Residential Metered	2,623,792	\$8.27	\$21,699	22	264	\$231.36	\$61,079	\$82,778
Total Residential Metered	966,983,424		\$7,996,953	21,181	254,172		\$7,493,288	\$15,490,241
Flat Commercial	-		-	16	192	\$58.54	\$11,240	\$11,240
Metered Commercial								
5/8" Commercial Metered	12,094,650	\$8.27	\$100,023	244	2,928	\$28.92	\$84,678	\$184,701
3/4" Commercial Metered	642,639	\$8.27	\$5,315	33	396	\$28.92	\$11,452	\$16,767
1" Commercial Metered	8,802,738	\$8.27	\$72,799	44	528	\$72.30	\$38,174	\$110,973
1.5" Commercial Metered	5,830,363	\$8.27	\$48,217	24	288	\$144.60	\$41,645	\$89,862
2" Commercial Metered	21,817,019	\$8.27	\$180,427	70	840	\$231.36	\$194,342	\$374,769
3" Commercial Metered	7,000,494	\$8.27	\$57,894	5	60	\$433.80	\$26,028	\$83,922
4" Commercial Metered	810,950	\$8.27	\$6,707	1	12	\$723.00	\$8,676	\$15,383
6" Commercial Metered	3,837,540	\$8.27	\$31,736	2	24	\$1,446.00	\$34,704	\$66,440
Total Commercial Metered	60,836,393		\$503,117	423	5,076		\$439,700	\$942,817

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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
Availability								
Linville Ridge (monthly)				41	492	\$13.60	\$6,691	\$6,691
Sapphire Valley (monthly)				716	8,592	\$10.05	\$86,350	\$86,350
Connestee (monthly)				375	4,500	\$5.30	\$23,850	\$23,850
Total Uniform	1,027,819,817		\$8,500,070	22,752	273,024		\$8,061,118	\$16,561,188

Purchased Water

Carolina Trace

5/8" Residential Metered	63,585,966	\$2.21	\$140,525	1,622	19,464	\$28.92	\$562,899	\$703,424
1" Residential Metered	63,750	\$2.21	\$141	1	12	\$72.30	\$868	\$1,008
2" Residential Metered	4,000	\$2.21	\$9	1	12	\$231.36	\$2,776	\$2,785
Total Residential	63,653,716		\$140,675	1,624	19,488		\$566,543	\$707,218
5/8" Commercial Metered	1,086,280	\$2.21	\$2,401	25	300	\$28.92	\$8,676	\$11,077
3/4" Commercial Metered	40,180	\$2.21	\$89	1	12	\$28.92	\$347	\$436
1" Commercial Metered	55,070	\$2.21	\$122	1	12	\$72.30	\$868	\$989
1.5" Commercial Metered	324,600	\$2.21	\$717	1	12	\$144.60	\$1,735	\$2,453
2" Commercial Metered	4,434,830	\$2.21	\$9,801	1	12	\$231.36	\$2,776	\$12,577
Total Commercial	5,940,960		\$13,130	29	348		\$14,402	\$27,532
Total	69,594,676		\$153,804	1,653	19,836		\$580,945	\$734,749

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Public Staff's Revenue at Present Rates

Purchased Water

Billing Type	Usage	Usage Rate	Usage Revenue	EOP Customers	EOP x 12 months	Base Charge	Base Charge Revenue	Total Revenue
Carolina Forest								
5/8" Residential Metered	7,587,001	\$3.19	\$24,203	214	2,568	\$28.92	\$74,267	\$98,469
1" Residential Metered	10,430	\$3.19	\$33	1	12	\$72.30	\$868	\$901
Total Residential	7,597,431		\$24,236	215	2,580		\$75,134	\$99,370
5/8" Commercial Metered	58,150	\$3.19	\$185	4	48	\$28.92	\$1,388	\$1,574
1" Commercial Metered	27,210	\$3.19	\$87	1	12	\$72.30	\$868	\$954
1.5" Commercial Metered	44,505	\$3.19	\$142	1	12	\$144.60	\$1,735	\$1,877
Total Commercial	129,865		\$414	6	72		\$3,991	\$4,405
Availability Bi-annual (1)			\$0	1,341	2,682	\$27.15	\$72,816	\$72,816
Total	7,727,296		\$24,650	1,562	5,334		\$151,941	\$176,591
Eastgate & Tanglewood South								
5/8" Residential Metered	6,625,540	\$8.27	\$54,793	156	1,872	\$28.92	\$54,138	\$108,931
5/8" Commercial Metered	4,610	\$8.27	\$38	1	12	\$28.92	\$347	\$385
Total	6,630,150		\$54,831	157	1,884		\$54,485	\$109,317

Notes:

1 Availability customers in Woodrun included with Carolina Forest availability customers

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Public Staff's Revenue at Present Rates

Purchased Water

Billing Type	Usage	Usage Rate	Usage Revenue	EOP Customers	EOP x 12 months	Base Charge	Base Charge Revenue	Total Revenue
High Vista Estates								
5/8" Residential Metered	11,794,659	\$4.72	\$55,671	234	2,808	\$28.92	\$81,207	\$136,878
1" Residential Metered	69,450	\$4.72	\$328	1	12	\$72.30	\$868	\$1,195
Total Residential	11,864,109		\$55,999	235	2,820		\$82,075	\$138,074
5/8" Commercial Metered	144,323	\$4.72	\$681	3	36	\$28.92	\$1,041	\$1,722
2" Commercial Metered	114,514	\$4.72	\$541	1	12	\$231.36	\$2,776	\$3,317
Total Commercial	258,837		\$1,222	4	48		\$3,817	\$5,039
Total	12,122,946		\$57,220	239	2,868		\$85,892	\$143,113
Riverbend Estates								
5/8" Residential Metered	6,081,974	\$8.10	\$49,264	142	1,704	\$28.92	\$49,280	\$98,544
Riverpointe								
5/8" Residential Metered	14,760,478	\$7.07	\$104,357	192	2,304	\$28.92	\$66,632	\$170,988
5/8" Commercial Metered	372,620	\$7.07	\$2,634	5	60	\$28.92	\$1,735	\$4,370
Total	15,133,098		\$106,991	197	2,364		\$68,367	\$175,358

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Public Staff's Revenue at Present Rates

Purchased Water

Billing Type	Usage	Usage Rate	Usage Revenue	EOP Customers	EOP x 12 months	Base Charge	Base Charge Revenue	Total Revenue
Whispering Pines								
5/8" Residential Metered	89,683,021	\$3.52	\$315,684	1,597	19,164	\$28.92	\$554,223	\$869,907
1" Residential Metered	1,611,740	\$3.52	\$5,673	16	192	\$72.30	\$13,882	\$19,555
Total Residential	91,294,761		\$321,358	1,613	19,356		\$568,104	\$889,462
5/8" Commercial Metered	1,864,440	\$3.52	\$6,563	28	336	\$28.92	\$9,717	\$16,280
1" Commercial Metered	2,052,200	\$3.52	\$7,224	6	72	\$72.30	\$5,206	\$12,429
1.5" Commercial Metered	608,410	\$3.52	\$2,142	5	60	\$144.60	\$8,676	\$10,818
2" Commercial Metered	408,700	\$3.52	\$1,439	1	12	\$231.36	\$2,776	\$4,215
4" Commercial Metered	700	\$3.52	\$2	1	12	\$723.00	\$8,676	\$8,678
Total Commercial	4,934,450		\$17,369	41	492		\$35,051	\$52,420
Total	96,229,211		\$338,727	1,654	19,848		\$603,156	\$941,882
White Oak Planation/Lee Forest/Winston Plantation/Winston Pointe								
5/8" Residential Metered	32,650,655	\$3.02	\$98,605	599	7,188	\$28.92	\$207,877	\$306,482
3/4" Residential Metered	64,740	\$3.02	\$196	1	12	\$28.92	\$347	\$543
Total Residential	32,715,395		\$98,800	600	7,200		\$208,224	\$307,024
1.5" Commercial Metered	433,700	\$3.02	\$1,310	1	12	\$144.60	\$1,735	\$3,045
Total	33,149,095		\$100,110	601	7,212		\$209,959	\$310,069
Willowbrook								
5/8" Residential Metered	5,669,326	\$8.27	\$46,885	169	2,028	\$28.92	\$58,650	\$105,535
1" Commercial Metered	141,650	\$8.27	\$1,171	1	12	\$72.30	\$868	\$2,039
Total	5,810,976		\$48,057	170	2,040		\$59,517	\$107,574

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Public Staff's Revenue at Present Rates

Purchased Water

Billing Type	Usage	Usage Rate	Usage Revenue	EOP Customers	EOP x 12 months	Base Charge	Base Charge Revenue	Total Revenue
Woodrun								
5/8" Residential Metered	19,188,966	\$3.19	\$61,213	476	5,712	\$28.92	\$165,191	\$226,404
1" Residential Metered	23,830	\$3.19	\$76	1	12	\$72.30	\$868	\$944
Total Residential	19,212,796		\$61,289	477	5,724		\$166,059	\$227,347
5/8" Commercial Metered	99,290	\$3.19	\$317	4	48	\$28.92	\$1,388	\$1,705
1" Commercial Metered	392,550	\$3.19	\$1,252	1	12	\$72.30	\$868	\$2,120
Total Commercial	491,840		\$1,569	5	60		\$2,256	\$3,825
Total	19,704,636		\$62,858	482	5,784		\$168,314	\$231,172
Yorktown								
5/8" Residential Metered	3,596,470	\$5.79	\$20,824	104	1,248	\$28.92	\$36,092	\$56,916
Zemosa Acres								
5/8" Residential Metered	11,809,514	\$5.52	\$65,189	237	2,844	\$28.92	\$82,248	\$147,437
3/4" Residential Metered	78,869	\$5.52	\$435	1	12	\$28.92	\$347	\$782
1" Residential Metered	84,490	\$5.52	\$466	3	36	\$72.30	\$2,603	\$3,069
Total Residential	11,972,873		\$66,090	241	2,892		\$85,198	\$151,289
1" Commercial Metered	183,858	\$5.52	\$1,015	1	12	\$72.30	\$868	\$1,882
Total	12,156,731		\$67,105	242	2,904		\$86,066	\$153,171
TOTAL (Uniform + Pur. Wat.)	1,315,757,076		\$9,584,511	29,955	346,050		\$10,215,133	\$19,799,644

Notes:

WSIC Revenue² \$182,157

² WSIC percentage is 0.92% based on W-354, Sub 364A Order issued on September 27, 2021. This percentage does not include the EMF.

TOTAL SERVICE REVENUE	\$19,981,801
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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 Flat¹		-	-	1,816	21,792	\$73.73	\$1,606,724	\$1,606,724
Metered Residential								
5/8" Residential Metered	456,197,545	\$4.59	\$2,093,947	11,032	132,384	\$58.91	\$7,798,741	\$9,892,688
3/4" Residential Metered	2,700,480	\$4.59	\$12,395	126	1,512	\$58.91	\$89,072	\$101,467
1" Residential Metered	12,167,221	\$4.59	\$55,848	114	1,368	\$147.28	\$201,472	\$257,320
1.5" Residential Metered	4,623,388	\$4.59	\$21,221	33	396	\$294.55	\$116,642	\$137,863
2" Residential Metered	2,480,726	\$4.59	\$11,387	18	216	\$471.28	\$101,796	\$113,183
Total Residential Metered	478,169,360		\$2,194,797	11,323	135,876		\$8,307,724	\$10,502,521
Commercial Flat		-	-	60	720	\$73.73	\$53,086	\$53,086
Multi-unit Flat Rate		-	-	19	228	\$73.73	\$16,810	\$16,810
Metered Commercial								
5/8" Commercial Metered	29,090,179	\$4.59	\$133,524	496	5,952	\$58.91	\$350,632	\$484,156
3/4" Commercial Metered	291,747	\$4.59	\$1,339	4	48	\$58.91	\$2,828	\$4,167
1" Commercial Metered	8,133,735	\$4.59	\$37,334	33	396	\$147.28	\$58,321	\$95,655
1.5" Commercial Metered	4,882,983	\$4.59	\$22,413	16	192	\$294.55	\$56,554	\$78,966
2" Commercial Metered	19,407,808	\$4.59	\$89,082	54	648	\$471.28	\$305,389	\$394,471
3" Commercial Metered	6,424,868	\$4.59	\$29,490	4	48	\$883.65	\$42,415	\$71,905
4" Commercial Metered	810,950	\$4.59	\$3,722	1	12	\$1,472.75	\$17,673	\$21,395
6" Commercial Metered	6,306,610	\$4.59	\$28,947	2	24	\$2,945.50	\$70,692	\$99,639
Total Commercial Metered	75,348,880		\$345,851	610	7,320		\$904,504	\$1,250,355

Note: (1) Residential Flat Customers excluding Regalwood/White Oak, White Oaks School, & Child Castle Daycare

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Public Staff's Revenue at Present Rates

CWSNC Sewer

Billing Type	Usage	Usage Rate	Usage Revenue	Customers	Monthly Rate x 12	Base Charge	Base Charge Revenue	Total Revenue
Regalwood/White Oaks	-		-	1,067	12,804	\$73.73	\$944,039	\$944,039
White Oaks School	-		-	1	12	\$2,187.33	\$26,248	\$26,248
Child Castle Daycare	-		-	1	12	\$280.41	\$3,365	\$3,365
Availability Connetsee/Transylvania	-	-	-	177	2,124	\$5.75	\$12,213	\$12,213
Availability Sapphire Valley				88	1,056	\$10.20	\$10,771	\$10,771
Total Uniform	553,518,240		\$2,540,649	15,162	181,944		\$11,885,484	\$14,426,133

Purchased Sewer

Billing Type	Usage	Usage Rate	Usage Revenue	EOP Customers	EOP x 12 months	Base Charge	Base Charge Revenue	Total Revenue
College Park								
Residential Flat, Sewer only	-	-	-	1	12	\$73.73	\$885	\$885
5/8" Residential Metered	2,408,770	\$7.77	\$18,716	51	612	\$41.24	\$25,239	\$43,955
Total	2,408,770		\$0	52	624		\$26,124	\$44,840

Kings Grant - Charlotte

5/8" Residential Metered	7,625,080	\$4.39	\$33,474	177	2,124	\$41.24	\$87,594	\$121,068
1" Residential Metered	204,120	\$4.39	\$896	1	12	\$41.24	\$495	\$1,391
Total	7,829,200		\$34,370	178	2,136		\$88,089	\$122,459

White Oak Plantation/Lee Forest/Winston Pointe

5/8" Residential Metered	27,451,855	\$6.45	\$177,064	509	6,108	\$41.24	\$251,894	\$428,958
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Public Staff's Revenue at Present Rates

Subdivision Specific Rates

Billing Type	Usage	Usage Rate	Usage Revenue	EOP Customers	EOP x 12 months	Base Charge	Base Charge Revenue	Total Revenue
Fairfield Mountain								
5/8" Res. Collection/Treatm.	10,682,669		-	380	4,560	\$131.24	\$598,454	\$598,454
3/4" Res. Collection/Treatm.	242,590		-	12	144	\$131.24	\$18,899	\$18,899
1" Res. Collection/Treatm.	1,186,381		-	12	144	\$131.24	\$18,899	\$18,899
Total Residential Collection	12,111,640		-	404	4,848		\$636,252	\$636,252
Small Commercial	188,360	\$13.93	\$2,624	6	72	\$103.00	\$7,416	\$10,040
Medium Commercial	1,256,203	\$13.93	\$17,499	11	132	\$182.00	\$24,024	\$41,523
Large Commercial	350,744	\$13.93	\$4,886	3	36	\$286.00	\$10,296	\$15,182
Total Commercial	1,795,307		\$25,009	20.00	240.00		\$41,736	\$66,745
Total	13,906,947		\$25,009	424	5,088		\$677,988	\$702,996
Mount Carmel								
5/8" Residential Metered	15,305,857	\$6.51	\$99,641	379	4,548	\$48.73	\$221,624	\$321,265
The Ridges at Mountain Harbour								
5/8" Res. Collection/Treatm.	1,500,300		-	46	552	\$59.66	\$32,932	\$32,932
5/8" Comm. Collection/Treatm.	338,840		-	1	12	\$59.66	\$716	\$716
2" Comm. Collection/Treatm.	44,800		-	1	12	\$188.60	\$2,263	\$2,263
Total Commercial	383,640		-	2	24		\$2,979	\$2,979
Total	1,883,940		-	48	576		\$35,911	\$35,911
TOTAL (Uni. + S/D + Pur. Sewer)	622,304,809		\$2,876,733	16,752	201,024		\$13,187,113	\$16,082,563
							SSIC Revenue ²	\$130,269

Note (2): SSIC percentage is 0.81% based on W-354, Sub 364A Order issued on September 27, 2021. This percentage does not include the EMF.

TOTAL SERVICE REVENUE	\$16,212,831
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Public Staff's Revenue at Present Rates

Water

Bradfield Farms/Fairfield Harbour/Treasure Cove

Billing Type	Usage	Usage Rate	Usage Revenue	EOP Customers	EOP x 12 months	Base Charge	Base Charge Revenue	Total Revenue
5/8" Residential Metered	156,096,689	\$4.20	\$655,606	3,170	38,040	\$17.30	\$658,092	\$1,313,698
3/4" Residential Metered	6,291,958	\$4.20	\$26,426	102	1,224	\$17.30	\$21,175	\$47,601
1" Residential Metered	192,770	\$4.20	\$810	2	24	\$43.25	\$1,038	\$1,848
2" Residential Metered	57,000	\$4.20	\$239	1	12	\$138.40	\$1,661	\$1,900
Total Residential Metered	162,638,417		\$683,081	3,275	39,300		\$681,966	\$1,365,047
5/8" Commercial Metered	1,476,170	\$4.20	\$6,200	19	228	\$17.30	\$3,944	\$10,144
1" Commercial Metered	300,751	\$4.20	\$1,263	5	60	\$43.25	\$2,595	\$3,858
1.5" Commercial Metered	727,620	\$4.20	\$3,056	5	60	\$86.50	\$5,190	\$8,246
2" Commercial Metered	292,700	\$4.20	\$1,229	2	24	\$138.40	\$3,322	\$4,551
Total Commercial Metered	2,797,241		\$11,748	31	372		\$15,051	\$26,799
Availability				901	10,812	\$3.55	\$38,383	\$38,383
Total	165,435,658		\$694,830	4,207	50,484		\$735,400	\$1,430,229
							WSIC Revenue ¹	\$2,574
TOTAL SERVICE REVENUE								\$1,432,804

Note:

¹ WSIC percentage is 0.18% based on W-354, Aub 364A Order issued on September 27, 2021. This percentage does not include the EMF.

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Public Staff's Revenue at Present Rates

Sewer

Bradfield Farms/Fairfield Harbour/Treasure Cove

Billing Type	Usage	Usage Rate	Usage Revenue	EOP Customers	EOP x 12 months	Base Charge	Base Charge Revenue	Total Revenue
Residential Flat				159	1,908	\$53.91	\$102,860	\$102,860
Metered Residential Flat (5/8" & 3/4")				2,956	35,472	\$53.91	\$1,912,296	\$1,912,296
Bulk Sewer				327.5	3,930	\$53.91	\$211,866	\$211,866
Total Residential				3,442.5	41,310		\$2,227,022	\$2,227,022
5/8" Commercial Metered	906,070	\$2.25	\$2,039	11	132	\$44.62	\$5,890	\$7,928
3/4" Commercial Metered	67,430	\$2.25	\$152	3	36	\$44.62	\$1,606	\$1,758
1" Commercial Metered	10,670	\$2.25	\$24	1	12	\$111.55	\$1,339	\$1,363
1.5" Commercial Metered	289,720	\$2.25	\$652	4	48	\$223.10	\$10,709	\$11,361
2" Commercial Metered		\$2.25	\$0	-	-	\$356.96	\$0	\$0
Total Commercial	1,273,890		\$2,866	19	228		\$19,544	\$22,410
Availability				902	10,824	\$2.85	\$30,848	\$30,848
Total				4,364	52,362		\$2,277,414	\$2,280,280
							SSIC Revenue ¹	\$15,734
TOTAL SERVICE REVENUE								\$2,296,014

Note:

¹ SSIC percentage is 0.69% based on W-354, Sub 364A Order issued on September 27, 2021. This percentage does not include the EMF.

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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
Proposed Rates								
5/8" Residential Metered		\$9.70				\$31.00		
Metered Residential								
5/8" Residential Metered	932,495,699	\$9.70	\$9,045,208	20,402	244,824	\$31.00	\$7,589,544	\$16,634,752
3/4" Residential Metered	20,312,281	\$9.70	\$197,029	644	7,728	\$31.00	\$239,568	\$436,597
1" Residential Metered	6,795,764	\$9.70	\$65,919	78	936	\$77.50	\$72,540	\$138,459
1.5" Residential Metered	4,755,888	\$9.70	\$46,132	35	420	\$155.00	\$65,100	\$111,232
2" Residential Metered	2,623,792	\$9.70	\$25,451	22	264	\$248.00	\$65,472	\$90,923
Total Residential Metered	966,983,424		\$9,379,739	21,181	254,172		\$8,032,224	\$17,411,963
Flat Commercial	-		-	16	192	\$65.23	\$12,524	\$12,524
Metered Commercial								
5/8" Commercial Metered	12,094,650	\$9.70	\$117,318	244	2,928	\$31.00	\$90,768	\$208,086
3/4" Commercial Metered	642,639	\$9.70	\$6,234	33	396	\$31.00	\$12,276	\$18,510
1" Commercial Metered	8,802,738	\$9.70	\$85,387	44	528	\$77.50	\$40,920	\$126,307
1.5" Commercial Metered	5,830,363	\$9.70	\$56,555	24	288	\$155.00	\$44,640	\$101,195
2" Commercial Metered	21,817,019	\$9.70	\$211,625	70	840	\$248.00	\$208,320	\$419,945
3" Commercial Metered	7,000,494	\$9.70	\$67,905	5	60	\$465.00	\$27,900	\$95,805
4" Commercial Metered	810,950	\$9.70	\$7,866	1	12	\$775.00	\$9,300	\$17,166
6" Commercial Metered	3,837,540	\$9.70	\$37,224	2	24	\$1,550.00	\$37,200	\$74,424
Total Commercial Metered	60,836,393		\$590,113	423	5,076		\$471,324	\$1,061,437

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CWSNC Water

Billing Type	Usage	Usage Rate	Usage Revenue	EOP Customers	EOP x 12 months	Base Charge	Base Charge Revenue	Total Revenue
Availability								
Linville Ridge (monthly)				41	492	\$13.60	\$6,691	\$6,691
Sapphire Valley (monthly)				716	8,592	\$10.05	\$86,350	\$86,350
Connestee (monthly)				375	4,500	\$5.30	\$23,850	\$23,850
Total Uniform	1,027,819,817		\$9,969,852	22,752	273,024		\$8,632,963	\$18,602,815

Purchased Water

Carolina Trace

5/8" Residential Metered	63,585,966	\$2.21	\$140,525	1,622	19,464	\$31.00	\$603,384	\$743,909
1" Residential Metered	63,750	\$2.21	\$141	1	12	\$77.50	\$930	\$1,071
2" Residential Metered	4,000	\$2.21	\$9	1	12	\$248.00	\$2,976	\$2,985
Total Residential	63,653,716		\$140,675	1,624	19,488		\$607,290	\$747,965
5/8" Commercial Metered	1,086,280	\$2.21	\$2,401	25	300	\$31.00	\$9,300	\$11,701
3/4" Commercial Metered	40,180	\$2.21	\$89	1	12	\$31.00	\$372	\$461
1" Commercial Metered	55,070	\$2.21	\$122	1	12	\$77.50	\$930	\$1,052
1.5" Commercial Metered	324,600	\$2.21	\$717	1	12	\$155.00	\$1,860	\$2,577
2" Commercial Metered	4,434,830	\$2.21	\$9,801	1	12	\$248.00	\$2,976	\$12,777
Total Commercial	5,940,960		\$13,130	29	348		\$15,438	\$28,568
Total	69,594,676		\$153,804	1,653	19,836		\$622,728	\$776,532

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Purchased Water

Billing Type	Usage	Usage Rate	Usage Revenue	EOP Customers	EOP x 12 months	Base Charge	Base Charge Revenue	Total Revenue
Carolina Forest								
5/8" Residential Metered	7,587,001	\$3.19	\$24,203	214	2,568	\$31.00	\$79,608	\$103,811
1" Residential Metered	10,430	\$3.19	\$33	1	12	\$77.50	\$930	\$963
Total Residential	7,597,431		\$24,236	215	2,580		\$80,538	\$104,774
5/8" Commercial Metered	58,150	\$3.19	\$185	4	48	\$31.00	\$1,488	\$1,673
1" Commercial Metered	27,210	\$3.19	\$87	1	12	\$77.50	\$930	\$1,017
1.5" Commercial Metered	44,505	\$3.19	\$142	1	12	\$155.00	\$1,860	\$2,002
Total Commercial	129,865		\$414	6	72		\$4,278	\$4,692
Availability Bi-annual (1)			\$0	1,341	2,682	\$27.15	\$72,816	\$72,816
Total	7,727,296		\$24,650	1,562	5,334		\$157,632	\$182,282
Eastgate & Tanglewood South								
5/8" Residential Metered	6,625,540	\$5.64	\$37,368	156	1,872	\$31.00	\$58,032	\$95,400
5/8" Commercial Metered	4,610	\$5.64	\$26	1	12	\$31.00	\$372	\$398
Total	6,630,150		\$37,394	157	1,884		\$58,404	\$95,798

Notes:

1 Availability customers in Woodrun included with Carolina Forest availability customers

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Purchased Water

Billing Type	Usage	Usage Rate	Usage Revenue	EOP Customers	EOP x 12 months	Base Charge	Base Charge Revenue	Total Revenue
High Vista Estates								
5/8" Residential Metered	11,794,659	\$4.72	\$55,671	234	2,808	\$31.00	\$87,048	\$142,719
1" Residential Metered	69,450	\$4.72	\$328	1	12	\$77.50	\$930	\$1,258
Total Residential	11,864,109		\$55,999	235	2,820		\$87,978	\$143,977
5/8" Commercial Metered	144,323	\$4.72	\$681	3	36	\$31.00	\$1,116	\$1,797
2" Commercial Metered	114,514	\$4.72	\$541	1	12	\$248.00	\$2,976	\$3,517
Total Commercial	258,837		\$1,222	4	48		\$4,092	\$5,314
Total	12,122,946		\$57,220	239	2,868		\$92,070	\$149,290
Riverbend Estates								
5/8" Residential Metered	6,081,974	\$8.10	\$49,264	142	1,704	\$31.00	\$52,824	\$102,088
Riverpointe								
5/8" Residential Metered	14,760,478	\$7.07	\$104,357	192	2,304	\$31.00	\$71,424	\$175,781
5/8" Commercial Metered	372,620	\$7.07	\$2,634	5	60	\$31.00	\$1,860	\$4,494
Total	15,133,098		\$106,991	197	2,364		\$73,284	\$180,275

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Purchased Water

Billing Type	Usage	Usage Rate	Usage Revenue	EOP Customers	EOP x 12 months	Base Charge	Base Charge Revenue	Total Revenue
Whispering Pines								
5/8" Residential Metered	89,683,021	\$3.52	\$315,684	1,597	19,164	\$31.00	\$594,084	\$909,768
1" Residential Metered	1,611,740	\$3.52	\$5,673	16	192	\$77.50	\$14,880	\$20,553
Total Residential	91,294,761		\$321,358	1,613	19,356		\$608,964	\$930,322
5/8" Commercial Metered	1,864,440	\$3.52	\$6,563	28	336	\$31.00	\$10,416	\$16,979
1" Commercial Metered	2,052,200	\$3.52	\$7,224	6	72	\$77.50	\$5,580	\$12,804
1.5" Commercial Metered	608,410	\$3.52	\$2,142	5	60	\$155.00	\$9,300	\$11,442
2" Commercial Metered	408,700	\$3.52	\$1,439	1	12	\$248.00	\$2,976	\$4,415
4" Commercial Metered	700	\$3.52	\$2	1	12	\$775.00	\$9,300	\$9,302
Total Commercial	4,934,450		\$17,369	41	492		\$37,572	\$54,941
Total	96,229,211		\$338,727	1,654	19,848		\$646,536	\$985,263
White Oak Planation/Lee Forest/Winston Plantation/Winston Pointe								
5/8" Residential Metered	32,650,655	\$3.02	\$98,605	599	7,188	\$31.00	\$222,828	\$321,433
3/4" Residential Metered	64,740	\$3.02	\$196	1	12	\$31.00	\$372	\$568
Total Residential	32,715,395		\$98,800	600	7,200		\$223,200	\$322,000
1.5" Commercial Metered	433,700	\$3.02	\$1,310	1	12	\$155.00	\$1,860	\$3,170
Total	33,149,095		\$100,110	601	7,212		\$225,060	\$325,170
Willowbrook								
5/8" Residential Metered	5,669,326	\$3.02	\$17,121	169	2,028	\$31.00	\$62,868	\$79,989
1" Commercial Metered	141,650	\$3.02	\$428	1	12	\$77.50	\$930	\$1,358
Total	5,810,976		\$17,549	170	2,040		\$63,798	\$81,347

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Purchased Water

Billing Type	Usage	Usage Rate	Usage Revenue	EOP Customers	EOP x 12 months	Base Charge	Base Charge Revenue	Total Revenue
Woodrun								
5/8" Residential Metered	19,188,966	\$3.19	\$61,213	476	5,712	\$31.00	\$177,072	\$238,285
1" Residential Metered	23,830	\$3.19	\$76	1	12	\$77.50	\$930	\$1,006
Total Residential	19,212,796		\$61,289	477	5,724		\$178,002	\$239,291
5/8" Commercial Metered	99,290	\$3.19	\$317	4	48	\$31.00	\$1,488	\$1,805
1" Commercial Metered	392,550	\$3.19	\$1,252	1	12	\$77.50	\$930	\$2,182
Total Commercial	491,840		\$1,569	5	60		\$2,418	\$3,987
Total	19,704,636		\$62,858	482	5,784		\$180,420	\$243,278
Yorktown								
5/8" Residential Metered	3,596,470	\$5.79	\$20,824	104	1,248	\$31.00	\$38,688	\$59,512
Zemosa Acres								
5/8" Residential Metered	11,809,514	\$5.52	\$65,189	237	2,844	\$31.00	\$88,164	\$153,353
3/4" Residential Metered	78,869	\$5.52	\$435	1	12	\$31.00	\$372	\$807
1" Residential Metered	84,490	\$5.52	\$466	3	36	\$77.50	\$2,790	\$3,256
Total Residential	11,972,873		\$66,090	241	2,892		\$91,326	\$157,416
1" Commercial Metered	183,858	\$5.52	\$1,015	1	12	\$77.50	\$930	\$1,945
Total	12,156,731		\$67,105	242	2,904		\$92,256	\$159,361
TOTAL (Uniform + Pur. Wat.)	1,315,757,076		\$11,006,349	29,955	346,050		\$10,936,663	\$21,943,012

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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 (1)		-	-	1,816	21,792	\$84.31	\$1,837,284	\$1,837,284
Metered Residential								
5/8" Residential Metered	456,197,545	\$5.77	\$2,632,260	11,032	132,384	\$64.09	\$8,484,491	\$11,116,750
3/4" Residential Metered	2,700,480	\$5.77	\$15,582	126	1,512	\$64.09	\$96,904	\$112,486
1" Residential Metered	12,167,221	\$5.77	\$70,205	114	1,368	\$160.23	\$219,188	\$289,393
1.5" Residential Metered	4,623,388	\$5.77	\$26,677	33	396	\$320.45	\$126,898	\$153,575
2" Residential Metered	2,480,726	\$5.77	\$14,314	18	216	\$512.72	\$110,748	\$125,061
Total Residential Metered	478,169,360		\$2,759,037	11,323	135,876		\$9,038,228	\$11,797,265
Commercial Flat		-	-	60	720	\$84.31	\$60,703	\$60,703
Multi-unit Flat Rate		-	-	19	228	\$84.31	\$19,223	\$19,223
Metered Commercial								
5/8" Commercial Metered	29,090,179	\$5.77	\$167,850	496	5,952	\$64.09	\$381,464	\$549,314
3/4" Commercial Metered	291,747	\$5.77	\$1,683	4	48	\$64.09	\$3,076	\$4,760
1" Commercial Metered	8,133,735	\$5.77	\$46,932	33	396	\$160.23	\$63,449	\$110,381
1.5" Commercial Metered	4,882,983	\$5.77	\$28,175	16	192	\$320.45	\$61,526	\$89,701
2" Commercial Metered	19,407,808	\$5.77	\$111,983	54	648	\$512.72	\$332,243	\$444,226
3" Commercial Metered	6,424,868	\$5.77	\$37,071	4	48	\$961.35	\$46,145	\$83,216
4" Commercial Metered	810,950	\$5.77	\$4,679	1	12	\$1,602.25	\$19,227	\$23,906
6" Commercial Metered	6,306,610	\$5.77	\$36,389	2	24	\$3,204.50	\$76,908	\$113,297
Total Commercial Metered	75,348,880		\$434,763	610	7,320		\$984,038	\$1,418,801

Note: (1) Residential Flat Customers excluding Regalwood/White Oak, White Oaks School, & Child Castle Daycare

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Public Staff's Revenue at Proposed Rates

CWSNC Sewer

Billing Type	Usage Usage	Usage Rate	Usage Revenue	Customers	Monthly Rate x 12	Base Charge	Base Charge Revenue	Total Revenue
Regalwood/White Oaks	-	-	-	1,067	12,804	\$84.31	\$1,079,505	\$1,079,505
White Oaks School	-	-	-	1	12	\$2,283.50	\$27,402	\$27,402
Child Castle Daycare	-	-	-	1	12	\$292.74	\$3,513	\$3,513
Availability Connestee/Transylvania	-	-	-	177	2,124	\$5.75	\$12,213	\$12,213
Availability Sapphire Valley	-	-	-	88	1,056	\$10.20	\$10,771	\$10,771
Total Uniform	553,518,240		\$3,193,800	15,162	181,944		\$13,072,880	\$16,266,680

Purchased Sewer

Billing Type	Usage Usage	Usage Rate	Usage Revenue	EOP Customers	EOP x 12 months	Base Charge	Base Charge Revenue	Total Revenue
College Park								
Residential Flat, Sewer only	-	-	-	1	12	\$84.31	\$1,012	\$1,012
5/8" Residential Metered	2,408,770	\$7.77	\$18,716	51	612	\$44.87	\$27,460	\$46,177
Total	2,408,770		\$0	52	624		\$28,472	\$47,188

Kings Grant - Charlotte

5/8" Residential Metered	7,625,080	\$4.39	\$33,474	177	2,124	\$44.87	\$95,304	\$128,778
1" Residential Metered	204,120	\$4.39	\$896	1	12	\$44.87	\$538	\$1,435
Total	7,829,200		\$34,370	178	2,136		\$95,842	\$130,213

White Oak Plantation/Lee Forest/Winston Pointe

5/8" Residential Metered	27,451,855	\$6.45	\$177,064	509	6,108	\$44.87	\$274,066	\$451,130
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Subdivision Specific Rates

Billing Type	Usage	Usage Rate	Usage Revenue	EOP Customers	EOP x 12 months	Base Charge	Base Charge Revenue	Total Revenue
Fairfield Mountain								
5/8" Res. Collection/Treatm.	10,682,669		-	380	4,560	\$134.87	\$615,007	\$615,007
3/4" Res. Collection/Treatm.	242,590		-	12	144	\$134.87	\$19,421	\$19,421
1" Res. Collection/Treatm.	1,186,381		-	12	144	\$134.87	\$19,421	\$19,421
Total Residential Collection	12,111,640		-	404	4,848		\$653,850	\$653,850
Small Commercial	188,360	\$13.93	\$2,624	6	72	\$103.00	\$7,416	\$10,040
Medium Commercial	1,256,203	\$13.93	\$17,499	11	132	\$182.00	\$24,024	\$41,523
Large Commercial	350,744	\$13.93	\$4,886	3	36	\$286.00	\$10,296	\$15,182
Total Commercial	1,795,307		\$25,009	20.00	240.00		\$41,736	\$66,745
Total	13,906,947		\$25,009	424	5,088		\$695,586	\$720,594
Mount Carmel								
5/8" Residential Metered	15,305,857	\$6.51	\$99,641	379	4,548	\$52.36	\$238,133	\$337,774
The Ridges at Mountain Harbour								
5/8" Res. Collection/Treatm.	1,500,300		-	46	552	\$61.82	\$34,125	\$34,125
5/8" Comm. Collection/Treatm.	338,840		-	1	12	\$61.82	\$742	\$742
2" Comm. Collection/Treatm.	44,800		-	1	12	\$180.47	\$2,166	\$2,166
Total Commercial	383,640			2	24		\$2,907	\$2,907
Total	1,883,940			48	576		\$37,032	\$37,032
TOTAL (Uni. + S/D + Pur. Sewer)	622,304,809		\$3,529,885	16,752	201,024		\$14,442,011	\$17,990,612

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Public Staff's Revenue at Proposed Rates

Water

Bradfield Farms/Fairfield Harbour/Treasure Cove

Billing Type	Usage	Usage Rate	Usage Revenue	EOP Customers	EOP x 12 months	Base Charge	Base Charge Revenue	Total Revenue
5/8" Residential Metered	156,096,689	\$5.61	\$875,702	3,170	38,040	\$22.10	\$840,684	\$1,716,386
3/4" Residential Metered	6,291,958	\$5.61	\$35,298	102	1,224	\$22.10	\$27,050	\$62,348
1" Residential Metered	192,770	\$5.61	\$1,081	2	24	\$55.25	\$1,326	\$2,407
2" Residential Metered	57,000	\$5.61	\$320	1	12	\$176.80	\$2,122	\$2,441
Total Residential Metered	162,638,417		\$912,402	3,275	39,300		\$871,182	\$1,783,584
5/8" Commercial Metered	1,476,170	\$5.61	\$8,281	19	228	\$22.10	\$5,039	\$13,320
1" Commercial Metered	300,751	\$5.61	\$1,687	5	60	\$55.25	\$3,315	\$5,002
1.5" Commercial Metered	727,620	\$5.61	\$4,082	5	60	\$110.50	\$6,630	\$10,712
2" Commercial Metered	292,700	\$5.61	\$1,642	2	24	\$176.80	\$4,243	\$5,885
Total Commercial Metered	2,797,241		\$15,693	31	372		\$19,227	\$34,920
Availability				901	10,812	\$3.55	\$38,383	\$38,383
Total	165,435,658		\$928,094	4,207	50,484		\$928,792	\$1,856,886

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Public Staff's Revenue at Proposed Rates

Sewer

Bradfield Farms/Fairfield Harbour

Billing Type	Usage	Usage Rate	Usage Revenue	EOP Customers	EOP x 12 months	Base Charge	Base Charge Revenue	Total Revenue
Residential Flat				159	1,908	\$61.75	\$117,819	\$117,819
Metered Residential Flat (5/8" & 3/4")				2,956	35,472	\$61.75	\$2,190,396	\$2,190,396
Bulk Sewer				327.5	3,930	\$61.75	\$242,678	\$242,678
Total Residential				3,442.5	41,310		\$2,550,893	\$2,550,893
5/8" Commercial Metered	906,070	\$2.54	\$2,301	11	132	\$51.11	\$6,747	\$9,048
3/4" Commercial Metered	67,430	\$2.54	\$171	3	36	\$51.11	\$1,840	\$2,011
1" Commercial Metered	10,670	\$2.54	\$27	1	12	\$127.77	\$1,533	\$1,560
1.5" Commercial Metered	289,720	\$2.54	\$736	4	48	\$255.54	\$12,266	\$13,002
2" Commercial Metered		\$2.54	\$0	-	-	\$408.87	\$0	\$0
Total Commercial	1,273,890		\$3,236	19	228		\$22,386	\$25,621
Availability				902	10,824	\$2.85	\$30,848	\$30,848
Total				4,364	52,362		\$2,604,126	\$2,607,362

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AVERAGE RESIDENTIAL (<1-INCH METER) CONSUMPTION

CWSNC Water Sub 360 Test Year 2017 (1)

Uniform Water Service Area	Total Residential	EOP Customers	EOP Annual	Average Usage
Amber Acres North				
Amber Acres				
Amber Ridge				
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/Mt Carmel	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
Carriage Manor				
Chapel Hills	3,192,297	103	1,236	2,583
Clearwater	101,557,612	1,969	23,628	4,298
College Park	3,871,020	80	960	4,032
Country Club Annex	1,008,180	24	288	3,501
Country Crossing				
Country Hills	3,674,440	67	804	4,570
Crest View Estates	1,233,623	39	468	2,636
Crystal Mountain	891,329	48	576	1,547
Danby	64,413,850	1,314	15,768	4,085
Eagle Crossing	3,866,720	78	936	4,131
Eastwood Forest	5,944,815	127	1,524	3,901
Elk River	8,346,141	282	3,384	2,466
Fairfield Mountain	28,120,900	1,039	12,468	2,255
Forest Brook	6,449,143	127	1,524	4,232
Forest Hills	5,333,743	119	1,428	3,735
Grandview at T-Square	3,451,440	75	900	3,835
Harbor House Estates	2,436,790	60	720	3,384
Heather Glen				
Heathfield	7,203,260	67	804	8,959
Hestron Park	-			
Hidden Hollow				
High Meadows	6,628,615	274	3,288	2,016
Holly Acres	2,449,110	53	636	3,851
Hound Ears	9,669,349	430	5,160	1,874
Huntington Forest	3,052,103	59	708	4,311
Jordan Woods				
Kings Grant - Charlotte	8,267,101	181	2,172	3,806
Kynwood/Abington	29,648,018	591	7,092	4,180
Larkhaven	8,976,210	163	1,956	4,589

CWSNC Water Sub 364 Test Year 2018-2019 (1)

Total Residential	EOP Customers	EOP Annual	Average Usage
4,946,592	115	1,380	3,584
5,228,880	347	4,164	1,256
1,552,340	38	456	3,404
62,990,164	1,214	14,568	4,324
11,666,279	322	3,864	3,019
32,712,195	854	10,248	3,192
12,013,400	284	3,408	3,525
3,236,356	95	1,140	2,839
101,997,484	2,058	24,696	4,130
3,904,327	78	936	4,171
1,012,120	23	276	3,667
4,036,718	67	804	5,021
1,074,570	38	456	2,357
910,300	48	576	1,580
65,370,121	1,261	15,132	4,320
3,605,480	77	924	3,902
5,728,547	120	1,440	3,978
9,550,847	273	3,276	2,915
26,952,550	979	11,748	2,294
4,806,162	82	984	4,884
4,645,604	118	1,416	3,281
3,696,134	77	924	4,000
1,485,597	29	348	4,269
6,901,847	64	768	8,987
497,480	1	12	41,457
5,443,825	263	3,156	1,725
2,868,791	51	612	4,688
9,751,047	412	4,944	1,972
2,331,218	60	720	3,238
8,474,636	179	2,148	3,945
29,647,446	598	7,176	4,131
8,951,310	164	1,968	4,548

CWSNC Water Sub 384 Test Year 2020-2021 (2)

Total Residential	EOP Customers	EOP Annual	Average Usage
39,782,280	703	8,436	4,716
4,323,601	94	1,128	3,833
2,258,180	123	1,476	1,530
4,888,926	109	1,308	3,738
6,624,190	350	4,200	1,577
1,463,750	37	444	3,297
69,596,887	1,267	15,204	4,578
11,449,415	303	3,636	3,149
35,010,262	850	10,200	3,432
13,753,461	282	3,384	4,064
6,077,224	116	1,392	4,366
3,368,960	92	1,104	3,052
-	-	-	-
3,604,248	80	960	3,754
842,240	14	168	5,013
2,433,130	53	636	3,826
3,803,404	66	792	4,802
1,267,460	37	444	2,855
1,027,791	49	588	1,748
65,860,766	1,273	15,276	4,311
3,533,320	77	924	3,824
5,903,475	130	1,560	3,784
8,113,733	273	3,276	2,477
31,385,176	1,024	12,288	2,554
4,147,890	78	936	4,432
6,000,276	118	1,416	4,237
3,331,440	74	888	3,752
486,860	8	96	5,071
5,367,768	103	1,236	4,343
6,104,820	64	768	7,949
-	-	-	-
2,187,320	45	540	4,051
6,880,352	264	3,168	2,172
2,482,900	51	612	4,057
10,711,733	413	4,956	2,161
3,111,281	67	804	3,870
1,620,810	34	408	3,973
7,625,080	178	2,136	3,570
31,122,659	593	7,116	4,374
9,966,832	159	1,908	5,224

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AVERAGE RESIDENTIAL (<1-INCH METER) CONSUMPTION

CWSNC Water Sub 360 Test Year 2017 (1)

Uniform Water Service Area	Total Residential	EOP Customers	EOP Annual	Average Usage
Lemmond Acres	2,011,360	34	408	4,930
Linsey Pointe				
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
Monterrey	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
Neuse Woods				
Oakdale Terrace	1,558,190	41	492	3,167
Oakes Plantation				
Olde Lamp Place	-			
Olde Point	8,693,068	195	2,340	3,715
Pinnacle Shores	10,688,380	162	1,944	5,498
Powder Horn Mountain	4,708,467	230	2,760	1,706
Quail Ridge	8,497,960	174	2,088	4,070
Queens Harbor	4,076,820	112	1,344	3,033
Randall Forest				
Red Bird	-			
Ridges at Mountain Harbour	2,915			
Riverwood	10,668,480	195	2,340	4,559
Rutledge Landing North				
Rutledge Landing				
Saddlewood	6,085,890	127	1,524	3,993
Sandy Trail				
Sapphire Valley	42,717,038	1,608	19,296	2,214
Sherwood Forest	7,221,525	252	3,024	2,388
Sherwood Park	5,473,750	96	1,152	4,752
Ski Country	-			
Ski Mountain	6,429,521	245	2,940	2,187
Stewarts Ridge				
Stone Hollow	10,829,050	222	2,664	4,065
Suburban Heights	1,213,348	24	288	4,213
Sugar Mountain	21,275,916	1,423	17,076	1,246
Tanglewood Estates				
The Point	193,072,853	1,523	18,276	10,564
TransylvaniaUtil./Conn.Falls	35,001,080	1,383	16,596	2,109
Tuckahoe				
Vander	12,114,137	258	3,096	3,913

CWSNC Water Sub 364 Test Year 2018-2019 (1)

Total Residential	EOP Customers	EOP Annual	Average Usage
1,915,867	33	396	4,838
16,235	1	12	1,353
771,740	14	168	4,594
1,845,480	33	396	4,660
2,541,250	140	1,680	1,513
1,304,540	27	324	4,026
4,763,588	208	2,496	1,908
5,613,715	123	1,476	3,803
1,645,629	41	492	3,345
1,609,413	45	540	2,980
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
43,125,574	1,604	19,248	2,241
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
195,652,610	1,531	18,372	10,649
36,853,031	1,385	16,620	2,217
-	-		

CWSNC Water Sub 384 Test Year 2020-2021 (2)

Total Residential	EOP Customers	EOP Annual	Average Usage
1,914,503	33	396	4,835
1,775,820	30	360	4,933
11,186,083	347	4,164	2,686
1,143,180	15	180	6,351
1,758,300	34	408	4,310
3,643,721	143	1,716	2,123
1,472,450	27	324	4,545
5,265,357	205	2,460	2,140
6,140,517	127	1,524	4,029
5,594,150	104	1,248	4,482
1,462,740	43	516	2,835
1,347,660	24	288	4,679
2,017,986	47	564	3,578
8,132,370	198	2,376	3,423
11,134,405	158	1,896	5,873
5,221,752	233	2,796	1,868
8,057,110	174	2,088	3,859
4,103,492	113	1,356	3,026
1,907,717	46	552	3,456
142,350	8	96	1,483
2,060,410	60	720	2,862
11,943,740	204	2,448	4,879
1,535,388	60	720	2,132
12,792,276	283	3,396	3,767
5,874,080	126	1,512	3,885
7,246,442	146	1,752	4,136
42,040,693	1,583	18,996	2,213
7,355,105	262	3,144	2,339
5,222,290	95	1,140	4,581
766,546	71	852	900
8,318,369	246	2,952	2,818
2,662,520	48	576	4,622
10,939,959	224	2,688	4,070
892,680	24	288	3,100
30,744,578	1,297	15,564	1,975
5,593,460	104	1,248	4,482
188,745,394	1,537	18,444	10,233
42,187,565	1,388	16,656	2,533
4,660,570	86	1,032	4,516
-	-	-	-

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AVERAGE RESIDENTIAL (<1-INCH METER) CONSUMPTION

CWSNC Water Sub 360 Test Year 2017 (1)

Uniform Water Service Area	Total Residential	EOP Customers	EOP Annual	Average Usage
Watauga Vista	3,031,575	141	1,692	1,792
Waterglyn	1,584,450	43	516	3,071
Westwood Forest	5,433,320	117	1,404	3,870
Wilders Village				
Wildlife Bay	4,811,120	83	996	4,830
Wildwood Green	10,977,328	227	2,724	4,030
Wolf Laurel	13,024,043	643	7,716	1,688
Wood Trace	2,358,980	46	552	4,274
Woodhaven	3,193,180	79	948	3,368
Total Uniform	902,212,112	20,734	248,808	3,626

CWSNC Water Sub 364 Test Year 2018-2019 (1)

Total Residential	EOP Customers	EOP Annual	Average Usage
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
14,373,318	646	7,752	1,854
2,233,530	46	552	4,046
3,149,560	79	948	3,322
908,491,618	20,537	246,444	3,686

CWSNC Water Sub 384 Test Year 2020-2021 (2)

Total Residential	EOP Customers	EOP Annual	Average Usage
3,544,639	141	1,692	2,095
1,725,778	45	540	3,196
5,572,121	123	1,476	3,775
1,960,024	41	492	3,984
5,191,530	83	996	5,212
11,646,500	234	2,808	4,148
15,585,020	649	7,788	2,001
2,033,980	46	552	3,685
3,024,760	80	960	3,151
952,807,980	21,046	252,552	3,773

CWSNC Water Sub 360 Test Year 2017 (1)

Purchased Water Service Area	Total Residential	EOP Customers	EOP Annual	Average Usage
Carolina Trace	57,902,753	1,593	19,116	3,029
Carolina Forest	6,979,229	201	2,412	2,894
Eastgate	-			
High Vista	10,525,100	258	3,096	3,400
Riverbend Estates				
Riverpointe	14,386,209	197	2,364	6,086
Tanglewood South				
Whispering Pines	95,804,426	1,576	18,912	5,066
White Oak Plantation/ Winston Pointe	27,303,660	571	6,852	3,985
Winston Plantation				
Willowbrook	5,941,530	170	2,040	2,913
Woodrun	16,592,047	457	5,484	3,026
Yorktown	3,820,510	195	2,340	1,633
Zemosa Acres	12,064,309	243	2,916	4,137
Total Purchased Water	251,319,773	5,461	65,532	3,835

CWSNC Water Sub 364 Test Year 2018-2019 (1)

Total Residential	EOP Customers	EOP Annual	Average Usage
61,205,662	1,618	19,416	3,152
6,643,518	206	2,472	2,688
1,681,420	55	660	2,548
10,661,120	237	2,844	3,749
14,622,289	191	2,292	6,380
2,573,620	78	936	2,750
90,847,854	1,578	18,936	4,798
26,260,328	579	6,948	3,780
5,700,399	165	1,980	2,879
17,944,038	462	5,544	3,237
3,682,649	103	1,236	2,979
12,008,774	236	2,832	4,240
253,831,671	5,508	66,096	3,840

CWSNC Water Sub 384 Test Year 2020-2021 (2)

Total Residential	EOP Customers	EOP Annual	Average Usage
63,585,966	1,622	19,464	3,267
7,587,001	214	2,568	2,954
2,633,000	64	768	3,428
11,794,659	234	2,808	4,200
14,760,478	142	1,704	8,662
6,081,974	192	2,304	2,640
3,992,540	92	1,104	3,616
89,683,021	1,597	19,164	4,680
27,627,355	512	6,144	4,497
5,088,040	88	1,056	4,818
5,669,326	169	2,028	2,796
19,188,966	476	5,712	3,359
3,596,470	104	1,248	2,882
11,888,383	238	2,856	4,163
273,177,179	5,744	68,928	3,963

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AVERAGE RESIDENTIAL (<1-INCH METER) CONSUMPTION

BF/FH/TC Sub 360 Test Year 2017 (1)

BF/FH/TC Water Service Area	Total Residential	EOP Customers	EOP Annual	Average Usage
Bradfield Farms	65,090,523	1,093	13,116	4,963
Fairfield Harbor	76,664,416	1,840	22,080	3,472
Treasure Cove	17,829,557	302	3,624	4,920
Silverton/Pace				
Total	159,584,496	3,235	38,820	4,111

BF/FH/TC Sub 364 Test Year 2018-2019 (1)

Total Residential	EOP Customers	EOP Annual	Average 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
158,949,824	3,139	37,668	4,220

BF/FH/TC Sub 384 Test Year 2020-2021 (2)

Total Residential	EOP Customers	EOP Annual	Average Usage
66,796,965	1,118	13,416	4,979
73,810,782	1,794	21,528	3,429
17,844,140	298	3,576	4,990
3,936,760	62	744	5,291
162,388,647	3,272	39,264	4,136

Notes:

- (1) Data from W-354, Sub 364 rate case: Casselberry Exhibit 16 - Average Consumption; Sub 360 Test Year Ending Dec. 31, 2017; Sub 364 Test Year Ending March 31, 2019
- (2) Data from Darden Exhibits 4 and 6
- (3) Average consumption based on <1-inch residential customers only

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Public Staff's Revenue at Recommended Rates

CWSNC Water

Billing Type	Usage	Usage Rate	Usage Revenue	EOP Customers	EOP x 12 months	Base Charge	Base Charge Revenue	Total Revenue
Recommended Rates								
5/8" Residential Metered		\$11.57				\$23.89		
Metered Residential								
5/8" Residential Metered	932,495,699	\$11.57	\$10,788,975	20,402	244,824	\$23.89	\$5,848,845	\$16,637,821
3/4" Residential Metered	20,312,281	\$11.57	\$235,013	644	7,728	\$23.89	\$184,622	\$419,635
1" Residential Metered	6,795,764	\$11.57	\$78,627	78	936	\$59.73	\$55,903	\$134,530
1.5" Residential Metered	4,755,888	\$11.57	\$55,026	35	420	\$119.45	\$50,169	\$105,195
2" Residential Metered	2,623,792	\$11.57	\$30,357	22	264	\$191.12	\$50,456	\$80,813
Total Residential Metered	966,983,424		\$11,187,998	21,181	254,172		\$6,189,995	\$17,377,993
Flat Commercial	-		-	16	192	\$67.53	\$12,966	\$12,966
Metered Commercial								
5/8" Commercial Metered	12,094,650	\$11.57	\$139,935	244	2,928	\$23.89	\$69,950	\$209,885
3/4" Commercial Metered	642,639	\$11.57	\$7,435	33	396	\$23.89	\$9,460	\$16,896
1" Commercial Metered	8,802,738	\$11.57	\$101,848	44	528	\$59.73	\$31,535	\$133,382
1.5" Commercial Metered	5,830,363	\$11.57	\$67,457	24	288	\$119.45	\$34,402	\$101,859
2" Commercial Metered	21,817,019	\$11.57	\$252,423	70	840	\$191.12	\$160,541	\$412,964
3" Commercial Metered	7,000,494	\$11.57	\$80,996	5	60	\$358.35	\$21,501	\$102,497
4" Commercial Metered	810,950	\$11.57	\$9,383	1	12	\$597.25	\$7,167	\$16,550
6" Commercial Metered	3,837,540	\$11.57	\$44,400	2	24	\$1,194.50	\$28,668	\$73,068
Total Commercial Metered	60,836,393		\$703,877	423	5,076		\$363,224	\$1,067,101

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Public Staff's Revenue at Recommended Rates

CWSNC Water

Billing Type	Usage	Usage Rate	Usage Revenue	EOP Customers	EOP x 12 months	Base Charge	Base Charge Revenue	Total Revenue
Availability								
Linville Ridge (monthly)				41	492	\$14.58	\$7,171	\$7,171
Sapphire Valley (monthly)				716	8,592	\$10.77	\$92,543	\$92,543
Connestee (monthly)				375	4,500	\$5.68	\$25,561	\$25,561
Total Uniform	1,027,819,817		\$11,891,875	22,752	273,024		\$6,691,460	\$18,583,335

Purchased Water

Carolina Trace

5/8" Residential Metered	63,585,966	\$2.21	\$140,525	1,622	19,464	\$23.89	\$464,995	\$605,520
1" Residential Metered	63,750	\$2.21	\$141	1	12	\$59.73	\$717	\$858
2" Residential Metered	4,000	\$2.21	\$9	1	12	\$191.12	\$2,293	\$2,302
Total Residential	63,653,716		\$140,675	1,624	19,488		\$468,005	\$608,680
5/8" Commercial Metered	1,086,280	\$2.21	\$2,401	25	300	\$23.89	\$7,167	\$9,568
3/4" Commercial Metered	40,180	\$2.21	\$89	1	12	\$23.89	\$287	\$375
1" Commercial Metered	55,070	\$2.21	\$122	1	12	\$59.73	\$717	\$838
1.5" Commercial Metered	324,600	\$2.21	\$717	1	12	\$119.45	\$1,433	\$2,151
2" Commercial Metered	4,434,830	\$2.21	\$9,801	1	12	\$191.12	\$2,293	\$12,094
Total Commercial	5,940,960		\$13,130	29	348		\$11,897	\$25,027
Total	69,594,676		\$153,804	1,653	19,836		\$479,902	\$633,707

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Public Staff's Revenue at Recommended Rates

Purchased Water

Billing Type	Usage	Usage Rate	Usage Revenue	EOP Customers	EOP x 12 months	Base Charge	Base Charge Revenue	Total Revenue
Carolina Forest								
5/8" Residential Metered	7,587,001	\$3.19	\$24,203	214	2,568	\$23.89	\$61,350	\$85,552
1" Residential Metered	10,430	\$3.19	\$33	1	12	\$59.73	\$717	\$750
Total Residential	7,597,431		\$24,236	215	2,580		\$62,066	\$86,302
5/8" Commercial Metered	58,150	\$3.19	\$185	4	48	\$23.89	\$1,147	\$1,332
1" Commercial Metered	27,210	\$3.19	\$87	1	12	\$59.73	\$717	\$803
1.5" Commercial Metered	44,505	\$3.19	\$142	1	12	\$119.45	\$1,433	\$1,575
Total Commercial	129,865		\$414	6	72		\$3,297	\$3,711
Availability Bi-annual (1)			\$0	1,341	2,682	\$29.10	\$78,039	\$78,039
Total	7,727,296		\$24,650	1,562	5,334		\$143,402	\$168,053
Eastgate & Tanglewood South								
5/8" Residential Metered	6,625,540	\$5.55	\$36,772	156	1,872	\$23.89	\$44,722	\$81,494
5/8" Commercial Metered	4,610	\$5.55	\$26	1	12	\$23.89	\$287	\$312
Total	6,630,150		\$36,797	157	1,884		\$45,009	\$81,806

Notes:

1 Availability customers in Woodrun included with Carolina Forest availability customers

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Public Staff's Revenue at Recommended Rates

Purchased Water

Billing Type	Usage	Usage Rate	Usage Revenue	EOP Customers	EOP x 12 months	Base Charge	Base Charge Revenue	Total Revenue
High Vista Estates								
5/8" Residential Metered	11,794,659	\$4.72	\$55,671	234	2,808	\$23.89	\$67,083	\$122,754
1" Residential Metered	69,450	\$4.72	\$328	1	12	\$59.73	\$717	\$1,045
Total Residential	11,864,109		\$55,999	235	2,820		\$67,800	\$123,798
5/8" Commercial Metered	144,323	\$4.72	\$681	3	36	\$23.89	\$860	\$1,541
2" Commercial Metered	114,514	\$4.72	\$541	1	12	\$191.12	\$2,293	\$2,834
Total Commercial	258,837		\$1,222	4	48		\$3,153	\$4,375
Total	12,122,946		\$57,220	239	2,868		\$70,953	\$128,174
Riverbend Estates								
5/8" Residential Metered	6,081,974	\$8.10	\$49,264	142	1,704	\$23.89	\$40,709	\$89,973
Riverpointe								
5/8" Residential Metered	14,760,478	\$7.07	\$104,357	192	2,304	\$23.89	\$55,043	\$159,399
5/8" Commercial Metered	372,620	\$7.07	\$2,634	5	60	\$23.89	\$1,433	\$4,068
Total	15,133,098		\$106,991	197	2,364		\$56,476	\$163,467

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Purchased Water

Billing Type	Usage	Usage Rate	Usage Revenue	EOP Customers	EOP x 12 months	Base Charge	Base Charge Revenue	Total Revenue
Whispering Pines								
5/8" Residential Metered	89,683,021	\$3.52	\$315,684	1,597	19,164	\$23.89	\$457,828	\$773,512
1" Residential Metered	1,611,740	\$3.52	\$5,673	16	192	\$59.73	\$11,467	\$17,141
Total Residential	91,294,761		\$321,358	1,613	19,356		\$469,295	\$790,653
5/8" Commercial Metered	1,864,440	\$3.52	\$6,563	28	336	\$23.89	\$8,027	\$14,590
1" Commercial Metered	2,052,200	\$3.52	\$7,224	6	72	\$59.73	\$4,300	\$11,524
1.5" Commercial Metered	608,410	\$3.52	\$2,142	5	60	\$119.45	\$7,167	\$9,309
2" Commercial Metered	408,700	\$3.52	\$1,439	1	12	\$191.12	\$2,293	\$3,732
4" Commercial Metered	700	\$3.52	\$2	1	12	\$597.25	\$7,167	\$7,169
Total Commercial	4,934,450		\$17,369	41	492		\$28,955	\$46,324
Total	96,229,211		\$338,727	1,654	19,848		\$498,250	\$836,977
White Oak Planation/Lee Forest/Winston Plantation/Winston Pointe								
5/8" Residential Metered	32,650,655	\$3.02	\$98,605	599	7,188	\$23.89	\$171,721	\$270,326
3/4" Residential Metered	64,740	\$3.02	\$196	1	12	\$23.89	\$287	\$482
Total Residential	32,715,395		\$98,800	600	7,200		\$172,008	\$270,808
1.5" Commercial Metered	433,700	\$3.02	\$1,310	1	12	\$119.45	\$1,433	\$2,743
Total	33,149,095		\$100,110	601	7,212		\$173,441	\$273,552
Willowbrook								
5/8" Residential Metered	5,669,326	\$3.02	\$17,121	169	2,028	\$23.89	\$48,449	\$65,570
1" Commercial Metered	141,650	\$3.02	\$428	1	12	\$59.73	\$717	\$1,144
Total	5,810,976		\$17,549	170	2,040		\$49,166	\$66,715

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Purchased Water

Billing Type	Usage	Usage Rate	Usage Revenue	EOP Customers	EOP x 12 months	Base Charge	Base Charge Revenue	Total Revenue
Woodrun								
5/8" Residential Metered	19,188,966	\$3.19	\$61,213	476	5,712	\$23.89	\$136,460	\$197,672
1" Residential Metered	23,830	\$3.19	\$76	1	12	\$59.73	\$717	\$793
Total Residential	19,212,796		\$61,289	477	5,724		\$137,176	\$198,465
5/8" Commercial Metered	99,290	\$3.19	\$317	4	48	\$23.89	\$1,147	\$1,463
1" Commercial Metered	392,550	\$3.19	\$1,252	1	12	\$59.73	\$717	\$1,969
Total Commercial	491,840		\$1,569	5	60		\$1,863	\$3,432
Total	19,704,636		\$62,858	482	5,784		\$139,040	\$201,898
Yorktown								
5/8" Residential Metered	3,596,470	\$5.79	\$20,824	104	1,248	\$23.89	\$29,815	\$50,638
Zemosa Acres								
5/8" Residential Metered	11,809,514	\$5.52	\$65,189	237	2,844	\$23.89	\$67,943	\$133,132
3/4" Residential Metered	78,869	\$5.52	\$435	1	12	\$23.89	\$287	\$722
1" Residential Metered	84,490	\$5.52	\$466	3	36	\$59.73	\$2,150	\$2,616
Total Residential	11,972,873		\$66,090	241	2,892		\$70,380	\$136,470
1" Commercial Metered	183,858	\$5.52	\$1,015	1	12	\$59.73	\$717	\$1,732
Total	12,156,731		\$67,105	242	2,904		\$71,097	\$138,202
TOTAL (Uniform + Pur. Wat.)	1,315,757,076		\$12,927,775	29,955	346,050		\$8,488,719	\$21,416,494

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Public Staff's Revenue at Recommended 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 (1)		-	-	1,816	21,792	\$83.56	\$1,820,912	\$1,820,912
Metered Residential								
5/8" Residential Metered	456,197,545	\$11.76	\$5,364,883	11,032	132,384	\$39.20	\$5,189,453	\$10,554,336
3/4" Residential Metered	2,700,480	\$11.76	\$31,758	126	1,512	\$39.20	\$59,270	\$91,028
1" Residential Metered	12,167,221	\$11.76	\$143,087	114	1,368	\$98.00	\$134,064	\$277,151
1.5" Residential Metered	4,623,388	\$11.76	\$54,371	33	396	\$196.00	\$77,616	\$131,987
2" Residential Metered	2,480,726	\$11.76	\$29,173	18	216	\$313.60	\$67,738	\$96,911
Total Residential Metered	478,169,360		\$5,623,272	11,323	135,876		\$5,528,141	\$11,151,412
Commercial Flat		-	-	60	720	\$83.56	\$60,162	\$60,162
Multi-unit Flat Rate		-	-	19	228	\$83.56	\$19,051	\$19,051
Metered Commercial								
5/8" Commercial Metered	29,090,179	\$11.76	\$342,101	496	5,952	\$39.20	\$233,318	\$575,419
3/4" Commercial Metered	291,747	\$11.76	\$3,431	4	48	\$39.20	\$1,882	\$5,313
1" Commercial Metered	8,133,735	\$11.76	\$95,653	33	396	\$98.00	\$38,808	\$134,461
1.5" Commercial Metered	4,882,983	\$11.76	\$57,424	16	192	\$196.00	\$37,632	\$95,056
2" Commercial Metered	19,407,808	\$11.76	\$228,236	54	648	\$313.60	\$203,213	\$431,449
3" Commercial Metered	6,424,868	\$11.76	\$75,556	4	48	\$588.00	\$28,224	\$103,780
4" Commercial Metered	810,950	\$11.76	\$9,537	1	12	\$980.00	\$11,760	\$21,297
6" Commercial Metered	6,306,610	\$11.76	\$74,166	2	24	\$1,960.00	\$47,040	\$121,206
Total Commercial Metered	75,348,880		\$886,103	610	7,320		\$601,877	\$1,487,980

Note: (1) Residential Flat Customers excluding Regalwood/White Oak, White Oaks School, & Child Castle Daycare

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Public Staff's Revenue at Recommended Rates

CWSNC Sewer

Billing Type	Usage	Usage Rate	Usage Revenue	Customers	Monthly Rate x 12	Base Charge	Base Charge Revenue	Total Revenue
Regalwood/White Oaks	-		-	1,067	12,804	\$83.56	\$1,069,886	\$1,069,886
White Oaks School	-		-	1	12	\$1,455.50	\$17,466	\$17,466
Child Castle Daycare	-		-	1	12	\$186.59	\$2,239	\$2,239
Availability Connestee/Transylvania	-	-	-	177	2,124	\$6.05	\$12,842	\$12,842
Availability Sapphire Valley				88	1,056	\$10.73	\$11,326	\$11,326
Total Uniform	553,518,240		\$6,509,375	15,162	181,944		\$9,143,901	\$15,653,276

Purchased Sewer

Billing Type	Usage	Usage Rate	Usage Revenue	EOP Customers	EOP x 12 months	Base Charge	Base Charge Revenue	Total Revenue
College Park								
Residential Flat, Sewer only	-	-	-	1	12	\$83.56	\$1,003	\$1,003
5/8" Residential Metered	2,408,770	\$7.77	\$18,716	51	612	\$27.44	\$16,793	\$35,509
Total	2,408,770		\$0	52	624		\$17,796	\$36,512

Kings Grant - Charlotte

5/8" Residential Metered	7,625,080	\$4.39	\$33,474	177	2,124	\$27.44	\$58,283	\$91,757
1" Residential Metered	204,120	\$4.39	\$896	1	12	\$27.44	\$329	\$1,225
Total	7,829,200		\$34,370	178	2,136		\$58,612	\$92,982

White Oak Plantation/Lee Forest/Winston Pointe

5/8" Residential Metered	27,451,855	\$6.45	\$177,064	509	6,108	\$27.44	\$167,604	\$344,668
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Public Staff's Revenue at Recommended Rates

Subdivision Specific Rates

Billing Type	Usage	Usage Rate	Usage Revenue	EOP Customers	EOP x 12 months	Base Charge	Base Charge Revenue	Total Revenue
Fairfield Mountain								
5/8" Res. Collection/Treatm.	10,682,669		-	380	4,560	\$117.44	\$535,526	\$535,526
3/4" Res. Collection/Treatm.	242,590		-	12	144	\$117.44	\$16,911	\$16,911
1" Res. Collection/Treatm.	1,186,381		-	12	144	\$117.44	\$16,911	\$16,911
Total Residential Collection	12,111,640		-	404	4,848		\$569,349	\$569,349
Small Commercial	188,360	\$13.93	\$2,624	6	72	\$103.00	\$7,416	\$10,040
Medium Commercial	1,256,203	\$13.93	\$17,499	11	132	\$182.00	\$24,024	\$41,523
Large Commercial	350,744	\$13.93	\$4,886	3	36	\$286.00	\$10,296	\$15,182
Total Commercial	1,795,307		\$25,009	20.00	240.00		\$41,736	\$66,745
Total	13,906,947		\$25,009	424	5,088		\$611,085	\$636,094
Mount Carmel								
5/8" Residential Metered	15,305,857	\$6.51	\$99,641	379	4,548	\$34.93	\$158,862	\$258,503
The Ridges at Mountain Harbour								
5/8" Res. Collection/Treatm.	1,500,300		-	46	552	\$44.39	\$24,503	\$24,503
5/8" Comm. Collection/Treatm.	338,840		-	1	12	\$44.39	\$533	\$533
2" Comm. Collection/Treatm.	44,800		-	1	12	\$163.04	\$1,956	\$1,956
Total Commercial	383,640			2	24		\$2,489	\$2,489
Total	1,883,940			48	576		\$26,992	\$26,992
TOTAL (Uni. + S/D + Pur. Sewer)	622,304,809		\$6,845,459	16,752	201,024		\$10,184,852	\$17,049,027

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Public Staff's Revenue at Recommended Rates

Water

Bradfield Farms/Fairfield Harbour/Treasure Cove

Billing Type	Usage	Usage Rate	Usage Revenue	EOP Customers	EOP x 12 months	Base Charge	Base Charge Revenue	Total Revenue
5/8" Residential Metered	156,096,689	\$6.52	\$1,017,750	3,170	38,040	\$16.90	\$642,876	\$1,660,626
3/4" Residential Metered	6,291,958	\$6.52	\$41,024	102	1,224	\$16.90	\$20,686	\$61,709
1" Residential Metered	192,770	\$6.52	\$1,257	2	24	\$42.25	\$1,014	\$2,271
2" Residential Metered	57,000	\$6.52	\$372	1	12	\$135.20	\$1,622	\$1,994
Total Residential Metered	162,638,417		\$1,060,402	3,275	39,300		\$666,198	\$1,726,600
5/8" Commercial Metered	1,476,170	\$6.52	\$9,625	19	228	\$16.90	\$3,853	\$13,478
1" Commercial Metered	300,751	\$6.52	\$1,961	5	60	\$42.25	\$2,535	\$4,496
1.5" Commercial Metered	727,620	\$6.52	\$4,744	5	60	\$84.50	\$5,070	\$9,814
2" Commercial Metered	292,700	\$6.52	\$1,908	2	24	\$135.20	\$3,245	\$5,153
Total Commercial Metered	2,797,241		\$18,238	31	372		\$14,703	\$32,941
Availability				901	10,812	\$4.48	\$48,423	\$48,423
Total	165,435,658		\$1,078,640	4,207	50,484		\$729,324	\$1,807,965

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Public Staff's Revenue at Recommended Rates

Sewer

Bradfield Farms/Fairfield Harbour

Billing Type	Usage	Usage Rate	Usage Revenue	EOP Customers	EOP x 12 months	Base Charge	Base Charge Revenue	Total Revenue
Residential Flat				159	1,908	\$60.11	\$114,694	\$114,694
Metered Residential Flat (5/8" & 3/4")				2,956	35,472	\$60.11	\$2,132,301	\$2,132,301
Bulk Sewer				327.5	3,930	\$60.11	\$236,241	\$236,241
Total Residential				3,442.5	41,310		\$2,483,237	\$2,483,237
5/8" Commercial Metered	906,070	\$2.59	\$2,347	11	132	\$49.40	\$6,521	\$8,868
3/4" Commercial Metered	67,430	\$2.59	\$175	3	36	\$49.40	\$1,778	\$1,953
1" Commercial Metered	10,670	\$2.59	\$28	1	12	\$123.50	\$1,482	\$1,510
1.5" Commercial Metered	289,720	\$2.59	\$750	4	48	\$247.00	\$11,856	\$12,606
2" Commercial Metered		\$2.59	-	-	-	\$395.20	\$0	\$0
Total Commercial	1,273,890		\$3,299	19	228		\$21,637	\$24,937
Availability				902	10,824	\$3.16	\$34,155	\$34,155
Total				4,364	52,362		\$2,539,029	\$2,542,329