

State of Florida



## Public Service Commission

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

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

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**DATE:** July 20, 2023

**TO:** Office of Commission Clerk (Teitzman)

**FROM:** Division of Economics (Bethea, Bruce, Hudson) *ejd*  
Division of Accounting and Finance (Norris, Sowards) *alm*  
Division of Engineering (Lewis, Ramos) *tb*  
Office of the General Counsel (Thompson, Sandy) *jsc*

**RE:** Docket No. 20220201-WS – Request by Florida Community Water Systems, Inc. for a revenue-neutral rate restructuring in Brevard, Lake, and Sumter Counties.

**AGENDA:** 08/01/23 – Regular Agenda – Proposed Agency Action – Interested Persons May Participate

**COMMISSIONERS ASSIGNED:** All Commissioners

**PREHEARING OFFICER:** La Rosa

**CRITICAL DATES:** None

**SPECIAL INSTRUCTIONS:** None

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### Case Background

Florida Community Water System, Inc. (FCWS or utility) owns 10 water and 4 wastewater systems in Brevard, Lake, and Sumter counties. Service is provided to approximately 2,005 water and 390 wastewater customers. According to FCWS's 2022 Annual Report, the combined net operating revenues were \$1,138,981 for water and \$221,940 for wastewater. FCWS also recorded combined net operating expenses of \$1,001,103 for water and \$202,664 for wastewater.

The 10 water systems are Black Bear Waterworks, Inc. (Black Bear); Brendenwood Waterworks, Inc. (Brendenwood); Brevard Waterworks (Brevard); Harbor Waterworks, Inc. (Harbor); Jumper Creek Utility Company (Jumper Creek); Lake Idlewild Utility Company (Lake Idlewild); Lakeside Waterworks, Inc. (Lakeside); Pine Harbour Waterworks, Inc. (Pine Harbour); Raintree

Waterworks, Inc. (Raintree); and The Woods Utility Company (The Woods). Four of these systems also have wastewater systems: Harbor, Jumper Creek, Lakeside, and The Woods. In February of 2022, the Commission acknowledged the corporate reorganization and name change of these systems to FCWS.<sup>1</sup> The corporate reorganization resulted in no change in ownership or control of the utilities, and each FCWS system continued to charge its own Commission-approved rates and charges.

On November 14, 2022, FCWS filed an application for a revenue-neutral rate restructuring limited proceeding for the purpose of consolidating the rates of the 14 systems into uniform rates. In its application, FCWS states that the various rates reflect a wide disparity among the systems. The utility believes that implementing uniform rates will result in a more equitable disbursement of operating costs among the customer group. Several of the systems have had multiple rate cases before the Commission due to increased capital requirements, increased operating expenses, and decreased consumption. The following table reflects the rate proceedings in which rates were last established for FCWS's respective systems.

#### **Last Proceedings Establishing Rates for FCWS Systems**

<b>County</b>	<b>Former Utility Name</b>	<b>Order</b>	<b>Issuance Date</b>
Lake	Black Bear Waterworks, Inc.	N/A	N/A
Lake	Brendenwood Waterworks, Inc.	PSC-2022-0043-PAA-WU	January 26, 2022
Brevard	Brevard Waterworks, Inc.	PSC-2016-0421-PAA-WU	October 3, 2016
Lake	Harbor Waterworks, Inc.	N/A	N/A
Sumter	Jumper Creek Utility Company	PSC-2019-0145-PAA-WS	April 23, 2019
Lake	Lake Idlewild Utility Company	PSC-2019-0142-PAA-WU	April 22, 2019
Lake	Lakeside Waterworks, Inc.	PSC-2019-0528-PAA-WU	December 17, 2019
Lake	Pine Harbour Waterworks, Inc.	PSC-2018-0552-PAA-WU	November 19, 2018
Lake	Raintree Waterworks, Inc.	PSC-2019-0459-PAA-WU	October 24, 2019
Sumter	The Woods Utility Company	PSC-2020-0087-PAA-WS	March 25, 2020

Rule 25-30.445(6), Florida Administrative Code (F.A.C.), provides that a limited proceeding will not be allowed if the utility has not had a rate case within seven years of the date of the petition for limited proceeding is filed with the Commission. Black Bear and Harbor have not had a rate case before the Commission. Therefore, on December 5, 2022, FCWS sought a partial variance or waiver of a requirement of Rule 25-30.445, F.A.C. On March 24, 2023, the Commission approved

<sup>1</sup>Order No. PSC-2022-0095-FOF-WS, issued February 21, 2022, in Docket No. 20210192-WS, *In re: Joint application for acknowledgment of corporate reorganization and approval of name changes on Certificate No. 654-W in Lake County from Black Bear Waterworks, Inc., Certificate No. 339-W in Lake County from Brendenwood Waterworks, Inc., Certificate No. 002-W in Brevard County from Brevard Waterworks, Inc., Certificate Nos. 522-W and 565-S in Lake County from Harbor Waterworks, Inc., Certificate Nos. 667-W and 507-S in Sumter County from Jumper Creek Utility Company, Certificate No. 531-W in Lake County from Lake Idlewild Utility Company, Certificate Nos. 567-W and 494-S in Lake County from Lakeside Waterworks, Inc., Certificate No. 450-W in Lake County from Pine Harbour Waterworks, Inc., Certificate No. 539-W in Lake County from Raintree Waterworks, Inc., Certificate Nos. 507-W and 441-S in Sumter County from The Woods Utility Company to Florida Community Water Systems, Inc.*

FCWS's petition to waive Rule 25-30.445(6), F.A.C., for the limited purpose requested.<sup>2</sup> As a result, FCWS met the filing requirements of Rule 25-30.445, F.A.C.

Subsequent to the approval of the rule waiver, on April 17, 2023, FCWS filed revised schedules using 2022 operating revenues for the purpose of the revenue-neutral rate restructuring rather than 2021 operating revenues. Based on staff's earnings surveillance review of the 2021 Annual Report and the 2022 Annual Report, it was determined that the Black Bear, Brevard, Lakeside, and Harbor water systems were overearning. By letter dated May 18, 2023, FCWS proposed a refund for the disposition of the overearnings.<sup>3</sup> Consistent with the proposed refund, the revised schedules reflected the removal of the overearnings.

In each of the system's last rate cases, before the consolidation into FCWS, the Commission found the overall quality of service to be satisfactory except for The Woods and Brevard. In its 2019 rate case, the Commission found The Woods' overall quality of service to be unsatisfactory for noncompliance with the Department of Environmental Protection's (DEP) lead and copper limits and ordered a penalty of a 100 basis point reduction to the authorized return on equity (ROE).<sup>4</sup> The Woods was also ordered to engage with customers and the Office of Public Counsel (OPC) to work on improving the quality of its product. Additionally, The Woods was ordered to file status reports detailing the actions it took to meet the DEP's requirements and communications until DEP rescinded its additional monitoring. The Woods filed its required status reports and on August 31, 2021, notified the Commission that the utility was in compliance with DEP standards and was placed on triennial monitoring by DEP.<sup>5</sup> While the Commission found Brevard's water product to be satisfactory, it found its water facilities to be marginal in its 2014 rate case due to excessive unaccounted for water.<sup>6</sup> The Commission recognized that this was a known and ongoing issue that Brevard has attempted to address and ordered Brevard to explore solutions with OPC and the County. Thereafter, the parties conducted three customer meetings and discussed Brevard's proposed solution to replace its water distribution system. However, Brevard's customers objected to the replacement project and its potential rate impact. The Commission determined that the replacement project was not economically feasible.<sup>7</sup> As stated above, Black Bear and Harbor have not had a rate case before the Commission, and therefore, have not previously had a quality of service determination.

Staff reviewed each system's customer complaint record from June 2018 through May 2023. There were four complaints filed with the Commission regarding secondary water quality standards, specifically cloudy water and low water pressure for The Woods, which were considered during its last rate case. The DEP also received one secondary water complaint for The Woods shortly after its last rate case was processed. The Woods installed several automatic flushers throughout

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<sup>2</sup> Order No. PSC-2023-0113-PAA-WS, issued March 24, 2023, in the instant docket.

<sup>3</sup> Document No. 03279-2023, dated May 18, 2023

<sup>4</sup> Order No. PSC-2020-0087-PAA-WS, issued on March 25, 2020, in Docket No. 20190125-WS, *In re: Application for staff-assisted rate case in Sumter County by The Woods Utility.*

<sup>5</sup> Document No. 09959-2021, dated August 31, 2021

<sup>6</sup> Order No. PSC-15-0329-PAA-WU, issued August 14, 2015, in Docket No. 20140186-WU, *In re: Application for staff-assisted rate case in Brevard County by Brevard Waterworks, Inc.*

<sup>7</sup> Order No. PSC-16-0421-PAA-WU, issued October 3, 2016, in Docket No. 20140186-WU, *In re: Application for staff-assisted rate case in Brevard County by Brevard Waterworks, Inc.*

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The Woods' distribution system and a second high service pump in an effort to resolve these issues. The Woods passed its most recent DEP secondary water standard test on March 28, 2021.

DEP also received two secondary water complaints for Brendenwood regarding cloudy water in 2020. DEP determined that Brendenwood's cloudy water was attributed to trapped air in the system and was not harmful. Brendenwood passed its most recent DEP secondary water standard test on March 12, 2021. All other utility systems that make up FCWS system is passing DEP's secondary water standards.

A customer meeting was held virtually on June 20, 2023. No customers participated in the virtual meeting. One comment was filed in the docket file pertaining to water quality, which identified the water as being brown in color and the customer also reported low water pressure regarding The Woods.

This recommendation addresses the utility's proposed refunds for the disposition of overearnings and the request for a revenue-neutral uniform rate restructuring limited proceeding. The Commission has jurisdiction to consider this matter pursuant to Sections 367.0822 and 367.0816, Florida Statutes (F.S.).

### Discussion of Issues

**Issue 1:** Should the Commission approve the refunds proposed by Florida Community Water Systems, Inc. to address overearnings?

**Recommendation:** Yes. FCWS should make the refunds outlined below. Pursuant to Rule 25-30.360, F.A.C., the refund should be made within 90 days of the Commission’s order. During the processing of the refund, monthly reports on the status of the refund should be made by the 20th of the following month. In addition, a preliminary report should be made within 30 days after the date the refund is completed and again 90 days thereafter. A final report should be made after all administrative aspects of the refund are completed.

Former System Name	2021		2022	
	\$ Amt	%	\$ Amt	%
Black Bear Water System	\$ 25,500	13.49%	\$ 4,720	3.08%
Brevard Water System	N/A	N/A	\$ 4,078	2.62%
Lakeside Water System				
Water	N/A	N/A	\$ 8,456	9.79%
Wastewater	\$ 7,403	8.43%	\$ 5,564	6.30%
Harbor Water System	\$ 44,012	9.50%	\$ 23,041	4.92%

(Norris)

**Staff Analysis:** Staff reviewed the 2021 Annual Reports filed in 2022 for each of the individual systems that comprise FCWS and identified systems that revealed possible overearnings. Over several months, staff requested and obtained updated data necessary to evaluate the utility’s financial position to evaluate the likelihood of continued overearnings, and to examine the level of operating revenues necessary to support ongoing utility operations. Staff’s analysis also incorporated the utility’s needs for continuing capital improvements and operating expenses. In consideration and timing of the instant docket, staff also included the review of the 2022 Annual Reports filed in 2023 for the consolidated FCWS systems in its final analysis.

FCWS proposed to make refunds to address possible overearnings by letter dated May 18, 2023.<sup>8</sup> The utility styled its proposal as a settlement and stated that the Office of Public Counsel had expressed its agreement with the proposed refunds. Specifically, the utility agreed to make the refunds outlined below.

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<sup>8</sup> Document No. 03279-2023.

**Table 1-1  
 Overearning Refunds**

Former System Name	2021		2022	
	\$ Amt	%	\$ Amt	%
Black Bear Water System	\$ 25,500	13.49%	\$ 4,720	3.08%
Brevard Water System	N/A	N/A	\$ 4,078	2.62%
Lakeside Water System				
Water	N/A	N/A	\$ 8,456	9.79%
Wastewater	\$ 7,403	8.43%	\$ 5,564	6.30%
Harbor Water System	\$ 44,012	9.50%	\$ 23,041	4.92%

Staff believes that FCWS’s proposal is a reasonable resolution because it would address the possible overearnings on a prospective basis as part of the revenue neutral rate restructuring addressed in Issue 2. Further, staff believes that it is in the public interest for the Commission to approve the refunds because it promotes administrative efficiency, avoiding the time and expense of a formal earnings investigation.

Staff notes that this recommendation is consistent with other Commission decisions regarding possible overearnings.<sup>9</sup> Staff will continue to monitor the earnings of the utility, and if any subsequent overearnings are identified, staff may open a formal earnings investigation. Pursuant to Rule 25-30.360, F.A.C., the refund should be made within 90 days of the Commission’s order. During the processing of the refund, monthly reports on the status of the refund should be made by the 20th of the following month. In addition, a preliminary report should be made within 30 days after the date the refund is completed and again 90 days thereafter. A final report should be made after all administrative aspects of the refund are completed.

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<sup>9</sup> Order Nos. PSC-2015-0173-PAA-WS, issued May 5, 2015, in Docket No. 20150069, *In re: Settlement proposal for possible overearnings by Southlake Utilities, Inc. in Lake County*; PSC-11-0012-PAA-SU, issued January 4, 2011, in Docket No. 100446-SU, *In re: Settlement proposal for possible overearnings by Tierra Verde Utilities, Inc. in Pinellas County*; PSC-10-0680-PAA-SU, issued November 15, 2010 in Docket No. 100379-SU, *In re: Settlement proposal for possible overearnings by Mid-County Services, Inc. in Pinellas County*; and PSC-05-0956-PAA-SU, issued October 7, 2005, in Docket No. 050540-SU, *In re: Settlement offer for possible overearnings in Marion County by BFF Corp.*

**Issue 2:** Should Florida Community Water System's request for a revenue-neutral rate restructuring limited proceeding for uniform rates be approved?

**Recommendation:** Yes. The Commission should approve FCWS's request for a revenue-neutral rate restructuring limited proceeding for uniform rates. (Hudson, Bruce, Bethea)

**Staff Analysis:** FCWS indicated that the implementation of uniform rates would result in a more equitable disbursement of operating costs among the customers. FCWS believes it would be more efficient to have a uniform rate structure that would allow it to consolidate the accounting records and financial information into one set of books. In addition, according to the utility, the water rates for the Harbor system are extremely low, and compounded with the large size of the lots, creates an excessive amount of water use. The average residential demand for the Harbor system is approximately 28,000 gallons per month. The Harbor system is exceeding the permitted withdrawal limits of its consumptive use permit. FCWS has exhausted efforts in trying to implement water conserving measures for the Harbor system. The utility, with consolidated water rates, believes it would be able to implement rates that will promote conservation for the Harbor system.

In prior dockets, the Commission has approved rate consolidation because it encourages large utilities to acquire small utilities; recognizes economies of scale attributable to large utilities with respect to combined operations; results in cost savings associated with regulatory filings; and produces rate stability across all systems. In evaluating consolidated rates in prior decisions, the Commission has set a subsidy limit and evaluated the consolidated rates at the average residential demand for the individual systems.

The last subsidy limit was set by the Commission in 2017 at \$14.38 for water and wastewater.<sup>10</sup> To put the \$14.38 subsidy limit in perspective, if the limit is indexed from 2017 through 2023, using the Commission-approved indexes,<sup>11</sup> it results in a subsidy limit of \$17.27 for the instant docket. In determining the average residential demand in the past, the Commission has removed an outlier that would skew the actual average residential demand.<sup>12</sup> The average water residential demand, excluding Harbor, is approximately 6,000 gallons. In this case, the Harbor water system's average residential demand is approximately 28,000 gallons a month. Therefore, it should be removed in determining the average residential demand for the subsidy analysis and the average water residential demand of approximately 6,000 gallons, excluding Harbor, should be used to evaluate subsidies for water. As reflected in Table 2-1, the Harbor system is the only system paying a subsidy for water using staff's recommended rates. The subsidy is below the subsidy limit of \$17.27.

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<sup>10</sup> Order No. PSC-2017-0361-FOF-WS, issued September 25, 2017, in Docket No. 20160101-WS, *In re: Application for increase in water and wastewater in Charlotte, Highlands, Lake, Lee, Marion, Orange, Pasco, Pinellas, Polk, and Seminole Counties by Utilities, Inc. of Florida*, p. 191.

<sup>11</sup> Order No. PSC-2022-0438-PAA-WS, issued December 27, 2022, in Docket No. 20220005-WS, *In re: Annual reestablishment of price increase or decrease index of major categories of operating costs incurred by water and wastewater utilities pursuant to Section 367.081(4)(a), F.S.*

<sup>12</sup> *Id.*

**Table 2-1  
 Residential Water Bill Comparison  
 Based on 6,000 Gallons a Month**

<b>System</b>	<b>Bill at Stand Alone Rate</b>	<b>Bill at Consolidated Rate</b>	<b>Subsidy Paid (Received)</b>
Black Bear	\$41.06	\$26.21	(\$14.85)
Brendenwood	\$32.35	\$26.21	(\$6.14)
Brevard	\$98.62	\$26.21	(\$72.41)
Harbor	\$17.61	\$26.21	\$8.60
Jumper Creek	\$75.87	\$26.21	(\$49.66)
Lake Idlewild	\$38.98	\$26.21	(\$12.77)
Lakeside	\$56.86	\$26.21	(\$30.65)
Pine Harbor	\$52.51	\$26.21	(\$26.30)
Raintree	\$32.17	\$26.21	(\$5.96)
The Woods	\$79.51	\$26.21	(\$53.30)

For wastewater, the Commission has evaluated the subsidies at the gallonage cap. FCWS proposed a gallonage cap of 6,000 gallons. Staff’s recommended wastewater rate structure for FCWS includes a gallonage cap of 6,000 gallons. As reflected in Table 2-2, Harbor and Lakeside are both paying subsidies. Both subsidies are below the subsidy limit of \$17.27.

**Table 2-2  
 Residential Wastewater Bill Comparison  
 Based on 6,000 Gallons a Month**

<b>System</b>	<b>Bill at Stand Alone Rate</b>	<b>Bill at Consolidated Rate</b>	<b>Subsidy Paid (Received)</b>
Harbor	\$64.87	\$80.70	\$15.83
Jumper Creek	\$92.00	\$80.70	(\$11.30)
Lakeside	\$77.83	\$80.70	\$2.87
The Woods	\$102.75	\$80.70	(\$22.05)

Based on the above, the proposed consolidation of rates for both water and wastewater results in rates that are below the subsidy limit for each individual system, based on average usage. This is consistent with the Commission’s previous analysis methodology for similar dockets. As discussed previously, there are many benefits of rate consolidation. In addition, the consolidation would allow the Commission to better address the high usage at the Harbor system. As a result, the Commission should approve FCWS request for a revenue-neutral rate restructuring limited proceeding for uniform rates.



**Issue 3:** What is the appropriate revenue requirement for restructuring the rates?

**Recommendation:** The appropriate revenue requirement for restructuring the rates is \$1,216,076 for water and \$248,255 for wastewater. (Hudson, Bruce, Bethea)

**Staff Analysis:** In its application, FCWS requests the rate restructuring for uniform rates be revenue neutral. In its revised filing, the utility proposed to use the operating revenues that are currently being generated by the existing rates of each system less the 2022 operating revenues associated with overearning that were proposed for the refunds. In addition, FCWS requested rate case expense to cover the cost incurred in this proceeding.<sup>13</sup>

Subsequent to its revised filing, the utility was approved for price index rate adjustments for all 14 systems, effective June 3, 2023. In order to maintain the approved index rate adjustments, the operating revenues should be annualized using the rates effective June 3, 2023, and the 2022 billing data from the billing analysis. FCWS billing analyses are generated based on base facility charges.<sup>14</sup> Therefore, when there is a rate change in a month, the prorated base facility charge shows up as two bills with a proration of usage for each in the billing analysis. The additional bills will overstate the operating revenues. The prorated usage will understate the operating revenues for the systems with tiered rates structures because the total usage would not be reflected in the appropriate tier. FCWS had a price indexed rate change in July of 2022. Staff adjusted the billing analyses to correct the issues that take place when there is a rate change during the month. Annualizing the operating revenues using the rates effective June 3, 2023, and the revised billing analysis resulted in operating revenues of \$1,252,002 for water and \$252,987 for wastewater.

The utility requested rate case expense to cover the filing fee, legal expenses, customer noticing, newspaper noticing, and travel expense to attend the Commission Conference. FCWS paid a filing fee of \$8,900. The utility also requested recovery of \$1,312 in legal expenses related to the rule waiver request. FCWS is required by Rule 25-22.0407, F.A.C., to mail notices of the case overview, final rates, and four-year rate reduction. Staff calculated noticing costs to be \$9,306. The utility calculated travel expense to the Commission Conference and back, as well as one night of lodging to be \$350. Staff has examined the requested expenses and supporting documentation and recommends total rate case expense of \$19,868 (\$8,900 + \$1,312 + \$9,306 + \$350). The recommended total rate case expense should be amortized over four years, which represents an annual expense of \$4,967 (\$19,868 / 4 Years). The annual expense grossed-up for regulatory assessments fees (RAFs) results in \$5,201 that should be recovered in rates. Based on the number of customers, the rate case expense should be allocated 84 percent or \$4,369 to water and 16 percent or \$832 to wastewater.<sup>15</sup>

The annualized 2022 operating revenues of \$1,252,002 for water and \$252,987 for wastewater should be increased by \$4,369 for water and \$832 for wastewater for the rate case expense. In addition, as mentioned in Issue 1, the total 2022 overearnings of \$40,295 for water and \$5,564 for wastewater should be removed. Based on the above, the appropriate revenue requirement for

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<sup>13</sup> Document No. 03373-2073, dated May 25, 2023

<sup>14</sup> Document No. 03077-2023, dated May 4, 2023

<sup>15</sup> There are 2,005 water customers and 390 wastewater customers for total of 2,395 customers. (water 2,005/2,395 = 84%; wastewater 390/2,395 = 16%)

restructuring the rates is \$1,216,076 ( $\$1,252,002 + \$4,369 - \$40,295$ ) for water and \$248,255 ( $\$252,987 + \$832 - \$5,564$ ) for wastewater.

**Issue 4:** What are the appropriate rate structures and rates for the water and wastewater systems?

**Recommendation:** The staff recommended rate structures and rates for the water and wastewater systems are shown on Schedule Nos. 1-A and 1-B. The utility should file revised tariff sheets and a proposed customer notice to reflect the Commission-approved rates. The approved rates should be effective for service rendered on or after the stamped approval date on the tariff sheets pursuant to Rule 25-30.475(1), F.A.C. In addition, the approved rates should not be implemented until staff has approved the proposed customer notices and the notices have been received by the customers. The utility should provide proof of the date notices were given within 10 days of the date of the notice. (Hudson, Bruce, Bethea)

**Staff Analysis:** For its consolidated water rates, FCWS proposed a rate structure which consists of recovering 40 percent of the operating revenues from the base facility charge (BFC) and a three-tier inclining block rate structure. The rate blocks are: (1) 0-4,000 gallons, (2) 4,001-10,000 gallons, and (3) all usage in excess of 10,000 gallons per month. The general service rate structure consists of a BFC and uniform gallonage charge. For wastewater, the utility proposed a rate structure which consists of recovering 60 percent of the operating revenues from a uniform BFC for all residential meter sizes and a gallonage charge with a 6,000 gallon cap. For general service, FCWS proposed customers be billed a BFC by meter size and a gallonage charge that is 1.2 times higher than the residential gallonage charge.

### **Water Rates**

FCWS provides water service to approximately 1,987 residential customers and 18 general service customers. A review of the consolidated billing data indicates that approximately 9 percent of the residential bills had zero gallons, which signifies a non-seasonal consolidated customer base. The average consolidated water demand, including Harbor, is 14,265 gallons per month. Staff performed an analysis of the utility's consolidated billing data in order to evaluate the appropriate rate structure for the residential water customers. The goal of the evaluation was to select the rate design parameters that: (1) produce the recommended revenue requirement; (2) equitably distribute cost recovery among the utility's customers; (3) establish the appropriate non-discretionary usage threshold for restricting repression; and (4) implement, where appropriate, water conserving rate structures consistent with Commission practice.

Due to the water usage of Harbor, staff recommends that 30 percent of the water revenue be generated from the BFC rather than the utility's proposed 40 percent. The 30 percent BFC allocation will provide sufficient revenues to design gallonage charges that send the appropriate pricing signals to customers who are using above the non-discretionary level. The average people per household served by the water system is 2.5; therefore, based on the number of people per household, 50 gallons per day per person, and the number of days per month, the non-discretionary usage threshold should be 4,000 gallons per month.<sup>16</sup> Staff's review of the consolidated billing analysis indicates that the discretionary usage above 4,000 gallons represents 54 percent of the

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<sup>16</sup>The overall average person per household was obtain from the average of the counties at the following websites:  
<https://www.census.gov/quickfacts/fact/table/brevardcountyflorida/PST045222>;  
<https://www.census.gov/quickfacts/fact/table/lakecountyflorida/PST045222>;  
<https://www.census.gov/quickfacts/fact/table/sumtercountyflorida/PST045222>;

bills, which account for approximately 79 percent of the water demand. This is considered high discretionary usage for this customer base.

Staff recommends a BFC and a three-tier inclining block rate structure, which includes separate gallonage charges for non-discretionary and discretionary usage for residential water customers. The rate blocks are: (1) 0-4,000 gallons; (2) 4,001-10,000 gallons; and (3) all usage in excess of 10,000 gallons per month. This rate structure sends the appropriate pricing signals because it targets customers with high consumption levels and minimizes price increases for customers at non-discretionary levels. In addition, the third tier provides an additional pricing signal to customers using in excess of 10,000 gallons of water per month, which represents approximately 60 percent of the usage, which is primarily the Harbor system. General service customers should be billed a BFC and a gallonage charge.

With the consolidation, approximately 79 percent of the total residential consumption is discretionary and, therefore, subject to the effects of repression. A repression adjustment quantifies changes in consumption patterns in response to an increase in price. Customers will typically reduce their discretionary consumption in response to price changes, while non-discretionary consumption remains relatively unresponsive to price changes. The residential consumption can be expected to decline by 91,406,000 gallons resulting in an anticipated average residential demand of 10,558 gallons per month. Staff recommends a 26 percent reduction in test year residential gallons for rate setting purposes. As a result, the corresponding reductions are \$21,172 for purchased power expense, \$4,466 for chemical expense, \$12,639 for purchased water, and \$1,804 for RAFs to reflect the anticipated repression, which results in a post-repression revenue requirement of \$1,175,994.

### **Wastewater**

FCWS provides water service to approximately 385 residential customers and 5 general service customers. Staff reviewed the utility's consolidated billing data to evaluate various BFC cost recovery percentages and gallonage caps for the residential customers. The goal of the evaluation was to select the rate design parameters that: (1) produce the approved revenue requirement; (2) equitably distribute cost recovery among the utility's customers; and (3) implement a gallonage cap that considers approximately the amount of water that may return to the wastewater system.

Consistent with Commission practice, staff recommends 50 percent of the wastewater revenue be generated from the BFC due to the capital intensive nature of wastewater plants. FCWS proposed 60 percent of the wastewater revenue be generated from the BFC. A 60 percent allocation for the BFC would be more appropriate if there were seasonality. However, on a consolidated basis, there is no seasonality necessitating a need to ensure revenue stability with the higher allocation for the BFC.

Staff agrees with the wastewater gallonage cap of 6,000 for residential service proposed by the utility. Typically, monthly residential wastewater gallonage caps are set at 6,000, 8,000, or 10,000. The wastewater gallonage cap recognizes that not all water used by the residential customers is returned to the wastewater system. It is Commission practice to set the wastewater gallonage cap

at approximately 80 percent of residential water sold.<sup>17</sup> Based on the review of the consolidated billing analysis, approximately 80 percent of the residential gallons are captured at the 24,000 gallon consumption level because of the high average water demand of the Harbor system. Staff believes the 6,000 gallonage cap is more appropriate as proposed by FCWS.

For wastewater, staff recommends, a uniform BFC for all residential meter sizes and a gallonage charge with a 6,000 gallon cap. General service should be billed a BFC by meter size and a gallonage charge that is 1.2 times higher than the residential gallonage charge.

In addition, based on the expected reduction in water demand described above, staff recommends that a repression adjustment also be made for wastewater. Because wastewater rates are calculated based on customers' water demand, if those customers' water demand is expected to decline, then the billing determinants used to calculate wastewater rates should also be adjusted. Based on the billing analysis for the wastewater system, staff recommends that a repression adjustment of 526,000 gallons to reflect the anticipated reduction in water demand be used to calculate wastewater rates. Staff recommends a 4.18 percent reduction in total residential consumption and corresponding reductions of \$231 for sludge removal, \$792 for purchased power, \$158 for chemicals, and \$53 for RAFs to reflect the anticipated repression, which results in a post repression revenue requirement of \$247,022.

The staff recommended rate structures and rates for the water and wastewater systems are shown on Schedule Nos. 1-A and 1-B. The utility should file revised tariff sheets and a proposed customer notice to reflect the Commission-approved rates. The approved rates should be effective for service rendered on or after the stamped approval date on the tariff sheets pursuant to Rule 25-30.475(1), F.A.C. In addition, the approved rates should not be implemented until staff has approved the proposed customer notices and the notices have been received by the customers. The utility should provide proof of the date notices were given within 10 days of the date of the notice.

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<sup>17</sup> Order No. PSC-2017-0459-PAA-WS, issued November 30, 2017, in Docket No. 20160176-WS, *In re: Application for staff-assisted rate case in Polk County by Four Lakes Golf Club, Ltd.*; Order No. PSC-2017-0361-FOF-WS, issued September 25, 2017, in Docket No. 20160101-WS, *In re: Application for increase in water and wastewater in Charlotte, Highlands, Lake, Lee, Marion, Orange, Pasco, Pinellas, Polk, and Seminole Counties by Utilities, Inc. of Florida*, p. 204.

**Issue 5:** What is the appropriate amount of rate case expense and what is the appropriate amount by which rates should be reduced four years after the published effective date to reflect the removal of the amortized rate case expense?

**Recommendation:** The appropriate amount of rate case expense is \$19,868. The total rate case expense should be amortized over four years, resulting in an annual expense of \$4,967. The rates should be reduced as shown on Schedule Nos. 1-A and 1-B, to remove rate case expense grossed-up for RAFs and amortized over a four-year period. In addition, for prior unamortized rate case expense, the rates should be reduced as shown on Schedule No. 2. Pursuant to Section 367.081(8), F.S., the decrease in rates should become effective immediately following the expiration of the rate case expense recovery period. FCWS should be required to file revised tariffs and a proposed customer notice setting forth the lower rates and the reason for the reduction no later than one month prior to the actual date of the required rate reduction. If the utility files this reduction in conjunction with a price index or pass-through rate adjustment, the utility shall file separate data for the price index and/or pass-through increase or decrease and the reduction in the rates due to the amortized rate case expense. (Sewards, Hudson)

**Staff Analysis:** Section 367.081(8), F.S., requires that the rates be reduced immediately following the expiration of the recovery period by the amount of the rate case expense previously included in rates. The reduction will reflect the removal of revenue associated with the amortization of rate case expense and the gross-up for RAFs, as shown on Schedule Nos. 1-A and 1-B.

In addition, in prior dockets, The Woods and Brendenwood were allowed a four-year amortization period for rate case expense of \$226 and \$301, respectively. The amortization period has not expired. The amortization of prior rate case expense is set to expire on April 21, 2024, for The Woods and March 3, 2026, for Brendenwood. The dollar amount of the rate reductions at the end of the amortization period were defined in each system's respective order. The rate reductions were calculated based on the percentage of rate case expense to the revenue requirement and was applied to the Commission-approved rates. With the recommendation of consolidation, the prior amortization rate case expense is embedded in the consolidated rates. The amount of rate case expense for both The Woods and Brendenwood relative to the consolidated revenue requirement results in a lesser amount of rate reduction compared to the amount on a stand-alone basis. Using the rate reductions defined in the prior orders for The Woods and Brendenwood would result in more rate case expense being removed than appropriate. Therefore, staff has recalculated the amount of the reductions based on the recommended consolidation. The amount of the rate reductions should be applied to the consolidated rates, which will be applicable to all systems, at the end of the respective amortization period for The Woods and Brendenwood systems are shown on Schedule No. 2.

Staff recommends that the rates be reduced as shown on Schedule Nos. 1-A and 1-B, to remove rate case expense grossed-up for RAFs and amortized over a four-year period. In addition, for prior unamortized rate case expense, the rates should be reduced as shown on Schedule No. 2. The decrease in rates should become effective immediately following the expiration of the rate case expense recovery period, pursuant to Section 367.081(8), F.S. FCWS should be required to file revised tariffs and a proposed customer notice setting forth the lower rates and the reason for the

reduction no later than one month prior to the actual date of the required rate reduction. If the utility files this reduction in conjunction with a price index or pass-through rate adjustment, the utility shall file separate data for the price index and/or pass-through increase or decrease and the reduction in the rates due to the amortized rate case expense.

**Issue 6:** Should this docket be closed?

**Recommendation:** No. If no person whose substantial interests are affected by the proposed agency action files a protest within 21 days of the issuance of the Proposed Agency Action Order, a consummating order should be issued. This docket should remain open to allow staff to verify completion of the refund discussed in Issue 1. Furthermore, the docket should remain open for staff's verification that the revised tariff sheets and customer notices have been filed by the utility and approved by staff. Upon staff's approval of the tariff sheets and customer notices, along with staff's completion of the refund discussed in Issue 1, this docket should be closed administratively if no adjustments are necessary. (Thompson, Sandy)

**Staff Analysis:** If no person whose substantial interests are affected by the proposed agency action files a protest within 21 days of the issuance of the Proposed Agency Action Order, a consummating order should be issued. This docket should remain open to allow staff to verify completion of the refund discussed in Issue 1. Furthermore, the docket should remain open for staff's verification that the revised tariff sheets and customer notices have been filed by the utility and approved by staff. Upon staff's approval of the tariff sheets and customer notices, along with staff's completion of the refund discussed in Issue 1, this docket should be closed administratively if no adjustments are necessary.



<b>BLACK BEAR WATERWORKS, INC.</b>		<b>SCHEDULE NO. 1-A</b>		
<b>TEST YEAR ENDED DECEMBER 31, 2022</b>		<b>DOCKET NO. 20220201-WS</b>		
<b>MONTHLY WATER RATES</b>				
	<b>Utility Current Rates</b>	<b>Utility Proposed Rates</b>	<b>Staff Recommended Rates</b>	<b>4 Year Rate Reduction</b>
<b>Residential and General Service</b>				
Base Facility Charge by Meter Size				
5/8" x 3/4"	N/A	\$17.28	\$13.19	\$0.05
3/4"	N/A	\$25.91	\$19.79	\$0.08
1"	N/A	\$43.19	\$32.98	\$0.13
1-1/2"	N/A	\$86.38	\$65.95	\$0.25
2"	N/A	\$138.21	\$105.52	\$0.40
3"	N/A	\$276.42	\$211.04	\$0.80
4"	N/A	\$431.91	\$329.75	\$1.25
6"	N/A	\$860.97	\$659.50	\$2.50
8"	N/A	\$1,377.55	\$1,055.20	\$4.00
10"	N/A	N/A	\$1,516.85	\$5.75
All Meter Sizes - Residential and General Service	\$34.59	N/A	N/A	N/A
Charge per 1,000 gallons - Residential and General Service				
0-5,000 Gallons	\$0.00	N/A	N/A	N/A
5,001 - 10,000 Gallons	\$6.47	N/A	N/A	N/A
Over 10,000 Gallons	\$9.24	N/A	N/A	N/A
Charge per 1,000 gallons - Residential				
0 - 4,000 Gallons	N/A	\$1.10	\$1.86	\$0.01
4,001 - 10,000 Gallons	N/A	\$1.65	\$2.79	\$0.01
Over 10,000 Gallons	N/A	\$2.20	\$3.72	\$0.01
Charge per 1,000 gallons - General Service				
	N/A	\$2.98	\$2.98	\$0.01
<b>Typical Residential 5/8" x 3/4" Meter Bill Comparison</b>				
4,000 Gallons	\$34.59	\$21.68	\$20.63	
6,000 Gallons	\$41.06	\$24.98	\$26.21	
8,000 Gallons	\$54.00	\$28.28	\$31.79	

<b>BRENDEWOOD WATERWORKS, INC.</b>		<b>SCHEDULE NO. 1-A</b>		
<b>TEST YEAR ENDED DECEMBER 31, 2022</b>		<b>DOCKET NO. 20220201-WS</b>		
<b>MONTHLY WATER RATES</b>				
	<b>Utility Current Rates</b>	<b>Utility Proposed Rates</b>	<b>Staff Recommended Rates</b>	<b>4 Year Rate Reduction</b>
<b>Residential and General Service</b>				
Base Facility Charge by Meter Size				
5/8" x 3/4"	\$16.11	\$17.28	\$13.19	\$0.05
3/4"	\$24.17	\$25.91	\$19.79	\$0.08
1"	\$40.28	\$43.19	\$32.98	\$0.20
1-1/2"	\$80.55	\$86.38	\$65.95	\$0.25
2"	\$128.88	\$138.21	\$105.52	\$0.40
3"	\$257.76	\$276.42	\$211.04	\$0.80
4"	\$402.75	\$431.91	\$329.75	\$1.25
6"	\$805.50	\$863.81	\$659.50	\$2.50
8"	N/A	N/A	\$1,055.20	\$4.00
10"	N/A	N/A	\$1,516.85	\$5.75
Charge per 1,000 gallons - Residential				
0-5,000 Gallons	\$2.60	N/A	N/A	N/A
5,001 - 10,000 Gallons	\$3.24	N/A	N/A	N/A
Over 10,000 Gallons	\$5.84	N/A	N/A	N/A
Charge per 1,000 gallons - Residential				
0 - 4,000 Gallons	N/A	\$1.10	\$1.86	\$0.01
4,001 - 10,000 Gallons	N/A	\$1.65	\$2.79	\$0.01
Over 10,000 Gallons	N/A	\$2.20	\$3.72	\$0.01
Charge per 1,000 gallons - General Service				
	\$4.07	\$3.16	\$2.98	\$0.01
<b>Typical Residential 5/8" x 3/4" Meter Bill Comparison</b>				
4,000 Gallons	\$26.51	\$21.68	\$20.63	
6,000 Gallons	\$32.35	\$24.98	\$26.21	
8,000 Gallons	\$38.83	\$28.28	\$31.79	

<b>BREVARD WATERWORKS, INC.</b>		<b>SCHEDULE NO. 1-A</b>		
<b>TEST YEAR ENDED DECEMBER 31, 2022</b>		<b>DOCKET NO. 20220201-WS</b>		
<b>MONTHLY WATER RATES</b>				
	<b>Utility Current Rates</b>	<b>Utility Proposed Rates</b>	<b>Staff Recommended Rates</b>	<b>4 Year Rate Reduction</b>
<b>Residential and General Service</b>				
Base Facility Charge by Meter Size				
5/8" x 3/4"	\$19.98	\$17.28	\$13.19	\$0.05
3/4"	\$29.97	\$25.91	\$19.79	\$0.08
1"	\$49.95	\$43.19	\$32.98	\$0.13
1-1/2"	\$99.90	\$86.38	\$65.95	\$0.25
2"	\$159.84	\$138.21	\$105.52	\$0.40
3"	\$319.68	\$276.42	\$211.04	\$0.80
4"	\$499.50	\$431.91	\$329.75	\$1.25
6"	\$999.00	\$863.81	\$659.50	\$2.50
8"	\$1,598.40	\$1,382.10	\$1,055.20	\$4.00
10"	\$2,297.70	\$1,986.76	\$1,516.85	\$5.75
Charge per 1,000 gallons - Residential				
0-4,000 Gallons	\$11.26	N/A	N/A	N/A
Over 4,000 Gallons	\$16.80	N/A	N/A	N/A
Charge per 1,000 gallons - Residential				
0 - 4,000 Gallons	N/A	\$1.10	\$1.86	\$0.01
4,001 - 10,000 Gallons	N/A	\$1.65	\$2.79	\$0.01
Over 10,000 Gallons	N/A	\$2.20	\$3.72	\$0.01
Charge per 1,000 gallons - General Service				
	\$12.25	\$3.16	\$2.98	\$0.01
<b>Private Fire Protection</b>				
2"	\$13.32	\$11.52	\$8.79	\$0.03
3"	\$26.64	\$23.03	\$17.59	\$0.07
4"	\$41.63	\$35.99	\$27.48	\$0.10
6"	\$83.25	\$71.98	\$54.96	\$0.21
8"	\$133.20	\$115.17	\$87.93	\$0.33
10"	\$191.48	\$165.56	\$126.40	\$0.48
<b>Typical Residential 5/8" x 3/4" Meter Bill Comparison</b>				
4,000 Gallons	\$65.02	\$21.68	\$20.63	
6,000 Gallons	\$98.62	\$24.98	\$26.21	
8,000 Gallons	\$132.22	\$28.28	\$31.79	

HARBOR WATERWORKS, INC. TEST YEAR ENDED DECEMBER 31, 2022 MONTHLY WATER RATES		SCHEDULE NO. 1-A DOCKET NO. 20220201-WS		
	Utility Current Rates	Utility Proposed Rates	Staff Recommended Rates	4 Year Rate Reduction
<b><u>Residential and General Service</u></b>				
Base Facility Charge by Meter Size				
5/8" x 3/4"	\$9.51	\$17.28	\$13.19	\$0.05
3/4"	\$14.27	\$25.91	\$19.79	\$0.08
1"	\$23.78	\$43.19	\$32.98	\$0.13
1-1/2"	\$47.55	\$86.38	\$65.95	\$0.25
2"	\$76.08	\$138.21	\$105.52	\$0.40
3"	\$152.16	\$276.42	\$211.04	\$0.80
4"	\$237.75	\$431.91	\$329.75	\$1.25
6"	\$475.50	\$863.81	\$659.50	\$2.50
8"	N/A	\$1,382.10	\$1,055.20	\$4.00
10"	N/A	\$1,986.76	\$1,516.85	\$5.75
Charge per 1,000 gallons - Residential and General Service	\$1.35	N/A	N/A	N/A
Charge per 1,000 gallons - Residential				
0 - 4,000 Gallons	N/A	\$1.10	\$1.86	\$0.01
4,001 - 10,000 Gallons	N/A	\$1.65	\$2.79	\$0.01
Over 10,000 Gallons	N/A	\$2.20	\$3.72	\$0.01
Charge per 1,000 gallons - General Service	\$1.35	\$3.16	\$2.98	\$0.01
<b><u>Typical Residential 5/8" x 3/4" Meter Bill Comparison</u></b>				
4,000 Gallons	\$14.91	\$21.68	\$20.63	
6,000 Gallons	\$17.61	\$24.98	\$26.21	
8,000 Gallons	\$20.31	\$28.28	\$31.79	

<b>JUMPER CREEK UTILITY COMPANY</b>		<b>SCHEDULE NO. 1-A</b>		
<b>TEST YEAR ENDED DECEMBER 31, 2022</b>		<b>DOCKET NO. 20220201-WS</b>		
<b>MONTHLY WATER RATES</b>				
	<b>Utility Current Rates</b>	<b>Utility Proposed Rates</b>	<b>Staff Recommended Rates</b>	<b>4 Year Rate Reduction</b>
<b>Residential and General Service</b>				
Base Facility Charge by Meter Size				
5/8" x 3/4"	\$23.55	\$17.28	\$13.19	\$0.05
3/4"	\$35.33	\$25.91	\$19.79	\$0.08
1"	\$58.88	\$43.19	\$32.98	\$0.13
1-1/2"	\$117.75	\$86.38	\$65.95	\$0.25
2"	\$188.40	\$138.21	\$105.52	\$0.40
3"	\$376.80	\$276.42	\$211.04	\$0.80
4"	\$588.75	\$431.91	\$329.75	\$1.25
6"	\$1,177.50	\$863.81	\$659.50	\$2.50
8"	\$1,884.00	\$1,382.10	\$1,055.20	\$4.00
10"	N/A	\$1,986.76	\$1,516.85	\$5.75
Charge per 1,000 gallons - Residential and General Service	\$8.72	N/A	N/A	N/A
Charge per 1,000 gallons - Residential				
0 - 4,000 Gallons	N/A	\$1.10	\$1.86	\$0.01
4,001 - 10,000 Gallons	N/A	\$1.65	\$2.79	\$0.01
Over 10,000 Gallons	N/A	\$2.20	\$3.72	\$0.01
Charge per 1,000 gallons - General Service	\$8.72	\$3.16	\$2.98	\$0.01
<b>Typical Residential 5/8" x 3/4" Meter Bill Comparison</b>				
4,000 Gallons	\$58.43	\$21.68	\$20.63	
6,000 Gallons	\$75.87	\$24.98	\$26.21	
8,000 Gallons	\$93.31	\$28.28	\$31.79	

LAKE IDLEWILD UTILITY COMPANY TEST YEAR ENDED DECEMBER 31, 2022 MONTHLY WATER RATES		SCHEDULE NO. 1-A DOCKET NO. 20220201-WS		
	Utility Current Rates	Utility Proposed Rates	Staff Recommended Rates	4 Year Rate Reduction
<b>Residential and General Service</b>				
Base Facility Charge by Meter Size				
5/8" x 3/4"	\$21.04	\$17.28	\$13.19	\$0.05
3/4"	\$31.56	\$25.91	\$19.79	\$0.08
1"	\$52.60	\$43.19	\$32.98	\$0.13
1-1/2"	\$105.20	\$86.38	\$65.95	\$0.25
2"	\$168.32	\$138.21	\$105.52	\$0.40
3"	\$336.64	\$276.42	\$211.04	\$0.80
4"	\$526.00	\$431.91	\$329.75	\$1.25
6"	\$1,052.00	\$863.81	\$659.50	\$2.50
8"	N/A	N/A	\$1,055.20	\$4.00
10"	N/A	N/A	\$1,516.85	\$5.75
Charge per 1,000 gallons - Residential				
0-3,000 Gallons	\$2.75	N/A	N/A	N/A
Over 3,000 Gallons	\$3.23	N/A	N/A	N/A
Charge per 1,000 gallons - Residential				
0 - 4,000 Gallons	N/A	\$1.10	\$1.86	\$0.01
4,001 - 10,000 Gallons	N/A	\$1.65	\$2.79	\$0.01
Over 10,000 Gallons	N/A	\$2.20	\$3.72	\$0.01
Charge per 1,000 gallons - General Service	\$3.16	\$3.16	\$2.98	\$0.01
<b>Private Fire Protection</b>				
2"	\$14.03	\$11.52	\$8.79	\$0.03
3"	\$28.05	\$23.03	\$17.59	\$0.07
4"	\$43.83	\$35.99	\$27.48	\$0.10
6"	\$87.67	\$71.98	\$54.96	\$0.21
8"	\$140.27	\$115.17	\$87.93	\$0.33
10"	\$201.63	\$165.56	\$126.40	\$0.48
<b>Typical Residential 5/8" x 3/4" Meter Bill Comparison</b>				
4,000 Gallons	\$32.52	\$21.68	\$20.63	
6,000 Gallons	\$38.98	\$24.98	\$26.21	
8,000 Gallons	\$45.44	\$28.28	\$31.79	

<b>LAKESIDE WATERWORKS, INC.</b>		<b>SCHEDULE NO. 1-A</b>		
<b>TEST YEAR ENDED DECEMBER 31, 2022</b>		<b>DOCKET NO. 20220201-WS</b>		
<b>MONTHLY WATER RATES</b>				
	<b>Utility Current Rates</b>	<b>Utility Proposed Rates</b>	<b>Staff Recommended Rates</b>	<b>4 Year Rate Reduction</b>
<b>Residential and General Service</b>				
Base Facility Charge by Meter Size				
5/8" x 3/4"	\$19.16	\$17.28	\$13.19	\$0.05
3/4"	\$28.74	\$25.91	\$19.79	\$0.08
1"	\$47.90	\$43.19	\$32.98	\$0.13
1-1/2"	\$95.80	\$86.38	\$65.95	\$0.25
2"	\$153.28	\$138.21	\$105.52	\$0.40
3"	\$306.56	\$276.42	\$211.04	\$0.80
4"	\$479.00	\$431.91	\$329.75	\$1.25
6"	\$958.00	\$863.81	\$659.50	\$2.50
8"	N/A	N/A	\$1,055.20	\$4.00
10"	N/A	N/A	\$1,516.85	\$5.75
Charge per 1,000 gallons - Residential				
0 - 4,000 Gallons	\$5.77	\$1.10	\$1.86	\$0.01
4,001 - 10,000 Gallons	\$7.31	\$1.65	\$2.79	\$0.01
Over 10,000 Gallons	\$12.81	\$2.20	\$3.72	\$0.01
Charge per 1,000 gallons - General Service				
	\$7.55	\$3.16	\$2.98	\$0.01
<b>Irrigation Service</b>				
Base Facility Charge by Meter Size				
0 - 4,000 Gallons	\$5.77	\$1.10	\$1.86	\$0.01
4,001 - 10,000 Gallons	\$7.31	\$1.65	\$2.79	\$0.01
Over 10,000 Gallons	\$12.81	\$2.20	\$3.72	\$0.01
<b>Private Fire Protection</b>				
2"	\$12.77	\$11.52	\$8.79	\$0.03
3"	\$25.55	\$23.03	\$17.59	\$0.07
4"	\$39.92	\$35.99	\$27.48	\$0.10
6"	\$79.83	\$71.98	\$54.96	\$0.21
8"	N/A	\$115.17	\$87.93	\$0.33
10"	N/A	\$165.56	\$126.40	\$0.48
<b>Typical Residential 5/8" x 3/4" Meter Bill Comparison</b>				
4,000 Gallons	\$42.24	\$21.68	\$20.63	
6,000 Gallons	\$56.86	\$24.98	\$26.21	
8,000 Gallons	\$71.48	\$28.28	\$31.79	

<b>PINE HARBOUR WATERWORKS, INC.</b>		<b>SCHEDULE NO. 1-A</b>		
<b>TEST YEAR ENDED DECEMBER 31, 2022</b>		<b>DOCKET NO. 20220201-WS</b>		
<b>MONTHLY WATER RATES</b>				
	<b>Utility Current Rates</b>	<b>Utility Proposed Rates</b>	<b>Staff Recommended Rates</b>	<b>4 Year Rate Reduction</b>
<b>Residential and General Service</b>				
Base Facility Charge by Meter Size				
5/8" x 3/4"	\$19.33	\$17.28	\$13.19	\$0.05
3/4"	\$29.00	\$25.91	\$19.79	\$0.08
1"	\$48.33	\$43.19	\$32.98	\$0.13
1-1/2"	\$96.65	\$86.38	\$65.95	\$0.25
2"	\$154.64	\$138.21	\$105.52	\$0.40
3"	\$309.28	\$276.42	\$211.04	\$0.80
4"	\$483.25	\$431.91	\$329.75	\$1.25
6"	N/A	N/A	\$659.50	\$2.50
8"	N/A	N/A	\$1,055.20	\$4.00
10"	N/A	N/A	\$1,516.85	\$5.75
Charge per 1,000 gallons - Residential				
0-4,000 Gallons	\$4.81	N/A	N/A	N/A
Over 4,000 Gallons	\$6.97	N/A	N/A	N/A
Charge per 1,000 gallons - Residential				
0 - 4,000 Gallons	N/A	\$1.10	\$1.86	\$0.01
4,001 - 10,000 Gallons	N/A	\$1.65	\$2.79	\$0.01
Over 10,000 Gallons	N/A	\$2.20	\$3.72	\$0.01
Charge per 1,000 gallons - General Service				
	\$5.67	\$3.16	\$2.98	\$1.00
<b>Private Fire Protection</b>				
2"	\$12.89	\$11.52	\$8.79	\$0.03
3"	\$25.77	\$23.03	\$17.59	\$0.07
4"	\$40.27	\$35.99	\$27.48	\$0.10
6"	N/A	\$71.98	\$54.96	\$0.21
8"	N/A	\$115.17	\$87.93	\$0.33
10"	N/A	\$165.56	\$126.40	\$0.48
<b>Typical Residential 5/8" x 3/4" Meter Bill Comparison</b>				
4,000 Gallons	\$38.57	\$21.68	\$20.63	
6,000 Gallons	\$52.51	\$24.98	\$26.21	
8,000 Gallons	\$66.45	\$28.28	\$31.79	



<b>RAINTREE WATERWORKS, INC.</b>		<b>SCHEDULE NO. 1-A</b>		
<b>TEST YEAR ENDED DECEMBER 31, 2022</b>		<b>DOCKET NO. 20220201-WS</b>		
<b>MONTHLY WATER RATES</b>				
	<b>Utility Current Rates</b>	<b>Utility Proposed Rates</b>	<b>Staff Recommended Rates</b>	<b>4 Year Rate Reduction</b>
<b>Residential and General Service</b>				
Base Facility Charge by Meter Size				
5/8" x 3/4"	\$18.46	\$17.28	\$13.19	\$0.05
3/4"	\$27.69	\$25.91	\$19.79	\$0.08
1"	\$46.15	\$43.19	\$32.98	\$0.13
1-1/2"	\$92.30	\$86.38	\$65.95	\$0.25
2"	\$147.68	\$138.21	\$105.52	\$0.40
3"	\$295.36	\$276.42	\$211.04	\$0.80
4"	\$461.50	\$431.91	\$329.75	\$1.25
6"	\$923.00	\$863.81	\$659.50	\$2.50
8"	N/A	N/A	\$1,055.20	\$4.00
10"	N/A	N/A	\$1,516.85	\$5.75
Charge per 1,000 gallons - Residential				
0 - 3,000 Gallons	\$2.22	N/A	N/A	N/A
3,001 - 8,000 Gallons	\$2.35	N/A	N/A	N/A
Over 8,000 Gallons	\$3.53	N/A	N/A	N/A
Charge per 1,000 gallons - Residential				
0 - 4,000 Gallons	N/A	\$1.10	\$1.86	\$0.01
4,001 - 10,000 Gallons	N/A	\$1.65	\$2.79	\$0.01
Over 10,000 Gallons	N/A	\$2.20	\$3.72	\$0.01
Charge per 1,000 gallons - General Service				
	\$2.90	\$3.16	\$2.98	\$0.01
<b>Private Fire Protection</b>				
2"	\$12.31	\$11.52	\$8.79	\$0.03
3"	\$24.61	\$23.03	\$17.59	\$0.07
4"	\$38.46	\$35.99	\$27.48	\$0.10
6"	\$76.92	\$71.98	\$54.96	\$0.21
8"	N/A	\$115.17	\$87.93	\$0.33
10"	N/A	\$165.56	\$126.40	\$0.48
<b>Typical Residential 5/8" x 3/4" Meter Bill Comparison</b>				
4,000 Gallons	\$27.47	\$21.68	\$20.63	
6,000 Gallons	\$32.17	\$24.98	\$26.21	
8,000 Gallons	\$36.87	\$28.28	\$31.79	

THE WOODS UTILITY COMPANY		SCHEDULE NO. 1-A		
TEST YEAR ENDED DECEMBER 31, 2022		DOCKET NO. 20220201-WS		
MONTHLY WATER RATES				
	Utility Current Rates	Utility Proposed Rates	Staff Recommended Rates	4 Year Rate Reduction
<b><u>Residential and General Service</u></b>				
Base Facility Charge by Meter Size				
5/8" x 3/4"	\$26.47	\$17.28	\$13.19	\$0.05
3/4"	\$39.71	\$25.91	\$19.79	\$0.08
1"	\$66.18	\$43.19	\$32.98	\$0.13
1-1/2"	\$132.35	\$86.38	\$65.95	\$0.25
2"	\$211.76	\$138.21	\$105.52	\$0.40
3"	\$423.52	\$276.42	\$211.04	\$0.80
4"	\$661.75	\$431.91	\$329.75	\$1.25
6"	\$1,323.50	\$863.81	\$659.50	\$2.50
8"	\$2,117.60	\$1,382.10	\$1,055.20	\$4.00
10"	\$3,044.05	\$1,986.76	\$1,516.85	\$5.75
Charge per 1,000 gallons - Residential				
0 - 6,000 Gallons	\$8.84	N/A	N/A	N/A
6,001 - 12,000 Gallons	\$13.25	N/A	N/A	N/A
Over 12,000 Gallons	\$17.67	N/A	N/A	N/A
Charge per 1,000 gallons - Residential				
0 - 4,000 Gallons	N/A	\$1.10	\$1.86	\$0.01
4,001 - 10,000 Gallons	N/A	\$1.65	\$2.79	\$0.01
Over 10,000 Gallons	N/A	\$2.20	\$3.72	\$0.01
Charge per 1,000 gallons - General Service				
	\$10.06	\$3.16	\$2.98	\$0.01
<b><u>Private Fire Protection</u></b>				
2"	\$17.65	\$11.52	\$8.79	\$0.03
3"	\$35.29	\$23.03	\$17.59	\$0.07
4"	\$55.15	\$35.99	\$27.48	\$0.10
6"	\$110.29	\$71.98	\$54.96	\$0.21
8"	\$176.47	\$115.17	\$87.93	\$0.33
10"	\$253.67	\$165.56	\$126.40	\$0.48
<b><u>Typical Residential 5/8" x 3/4" Meter Bill Comparison</u></b>				
4,000 Gallons	\$61.83	\$21.68	\$20.63	
6,000 Gallons	\$79.51	\$24.98	\$26.21	
8,000 Gallons	\$106.01	\$28.28	\$31.79	

HARBOR WATERWORKS, INC. TEST YEAR ENDED DECEMBER 31, 2022 MONTHLY WASTEWATER RATES		SCHEDULE NO. 1-B DOCKET NO. 20220201-WS		
	Utility Current Rates	Utility Proposed Rates	Staff Recommended Rates	4 Year Rate Reduction
<b>Residential Service</b>				
All Meter Sizes	\$32.83	\$28.26	\$24.30	\$0.08
Charge per 1,000 gallons - Residential 6,000 gallonage cap	\$5.34	\$6.83	\$9.40	\$0.03
Base Facility Charge by Meter Size				
5/8" x 3/4"	\$32.83	\$28.26	\$24.30	\$0.08
3/4"	\$49.25	\$42.40	\$36.45	\$0.12
1"	\$82.08	\$70.66	\$60.75	\$0.20
1-1/2"	\$164.15	\$141.32	\$121.50	\$0.40
2"	\$262.64	\$226.12	\$194.40	\$0.64
3"	\$525.28	\$452.24	\$388.80	\$1.28
4"	\$820.75	\$706.62	\$607.50	\$2.00
6"	\$1,641.50	\$1,413.24	\$1,215.00	\$4.00
8"	N/A	N/A	\$1,944.00	\$6.40
10"	N/A	N/A	\$2,794.50	\$9.20
Charge per 1,000 gallons - General Service	\$6.42	\$8.20	\$11.28	\$0.04
<b>Typical Residential 5/8" x 3/4" Meter Bill Comparison</b>				
4,000 Gallons	\$54.19	\$55.58	\$61.90	
6,000 Gallons	\$64.87	\$69.24	\$80.70	
8,000 Gallons	\$64.87	\$69.24	\$80.70	

JUMPER CREEK UTILITY COMPANY TEST YEAR ENDED DECEMBER 31, 2022 MONTHLY WASTEWATER RATES			SCHEDULE NO. 1-B DOCKET NO. 20220201-WS	
	Utility Current Rates	Utility Proposed Rates	Staff Recommended Rates	4 Year Rate Reduction
<b>Residential Service</b>				
All Meter Sizes	\$36.92	\$28.26	\$24.30	\$0.08
Charge per 1,000 gallons - Residential 6,000 gallonage cap	\$9.18	\$6.83	\$9.40	\$0.03
Base Facility Charge by Meter Size				
5/8" x 3/4"	\$36.92	\$28.26	\$24.30	\$0.08
3/4"	\$55.38	\$42.40	\$36.45	\$0.12
1"	\$92.30	\$70.66	\$60.75	\$0.20
1-1/2"	\$184.60	\$141.32	\$121.50	\$0.40
2"	\$295.36	\$226.12	\$194.40	\$0.64
3"	\$590.72	\$452.24	\$388.80	\$1.28
4"	\$923.00	\$706.62	\$607.50	\$2.00
6"	\$1,846.00	\$1,413.24	\$1,215.00	\$4.00
8"	\$2,953.60	\$2,261.18	\$1,944.00	\$6.40
10"	N/A	N/A	\$2,794.50	\$9.20
Charge per 1,000 gallons - General Service	\$11.02	\$8.20	\$11.28	\$0.04
<b>Typical Residential 5/8" x 3/4" Meter Bill Comparison</b>				
4,000 Gallons	\$64.46	\$55.58	\$61.90	
6,000 Gallons	\$92.00	\$69.24	\$80.70	
8,000 Gallons	\$92.00	\$69.24	\$80.70	

LAKESIDE WATERWORKS, INC. TEST YEAR ENDED DECEMBER 31, 2022 MONTHLY WASTEWATER RATES			SCHEDULE NO. 1-B DOCKET NO. 20220201-WS	
	Utility Current Rates	Utility Proposed Rates	Staff Recommended Rates	4 Year Rate Reduction
<b>Residential Service</b>				
All Meter Sizes	\$19.57	\$28.26	\$24.30	\$0.08
Charge per 1,000 gallons - Residential 6,000 gallonage cap	\$9.71	\$6.83	\$9.40	\$0.03
<b>General Service</b>				
Base Facility Charge by Meter Size				
5/8" x 3/4"	\$19.57	\$28.26	\$24.30	\$0.08
3/4"	\$29.36	\$42.40	\$36.45	\$0.12
1"	\$48.93	\$70.66	\$60.75	\$0.20
1-1/2"	\$97.85	\$141.32	\$121.50	\$0.40
2"	\$156.56	\$226.12	\$194.40	\$0.64
3"	\$313.12	\$452.24	\$388.80	\$1.28
4"	\$489.25	\$706.62	\$607.50	\$2.00
6"	\$978.50	\$1,413.00	\$1,215.00	\$4.00
8"	N/A	N/A	\$1,944.00	\$6.40
10"	N/A	N/A	\$2,794.50	\$9.20
Charge per 1,000 gallons - General Service	\$11.65	\$8.20	\$11.28	\$0.04
<b>Typical Residential 5/8" x 3/4" Meter Bill Comparison</b>				
4,000 Gallons	\$58.41	\$55.58	\$61.90	
6,000 Gallons	\$77.83	\$69.24	\$80.70	
8,000 Gallons	\$77.83	\$69.24	\$80.70	

THE WOODS UTILITY COMPANY TEST YEAR ENDED DECEMBER 31, 2022 MONTHLY WASTEWATER RATES		SCHEDULE NO. 1-B DOCKET NO. 20220201-WS		
	Utility Current Rates	Utility Proposed Rates	Staff Recommended Rates	4 Year Rate Reduction
<b><u>Residential Service</u></b>				
All Meter Sizes	\$42.45	\$28.26	\$24.30	\$0.08
Charge per 1,000 gallons - Residential 6,000 gallonage cap	\$10.05	\$6.83	\$9.40	\$0.03
<b><u>General Service</u></b>				
Base Facility Charge by Meter Size				
5/8" x 3/4"	\$42.45	\$28.26	\$24.30	\$0.08
3/4"	\$66.68	\$42.40	\$36.45	\$0.12
1"	\$106.13	\$70.66	\$60.75	\$0.20
1-1/2"	\$212.25	\$141.32	\$121.50	\$0.40
2"	\$339.60	\$226.12	\$194.40	\$0.64
3"	\$679.20	\$452.24	\$388.80	\$1.28
4"	\$1,061.25	\$706.62	\$607.50	\$2.00
6"	\$2,122.50	\$1,413.00	\$1,215.00	\$4.00
8"	\$3,396.00	\$2,260.80	\$1,944.00	\$6.40
10"	\$4,881.75	\$3,249.90	\$2,794.50	\$9.20
Charge per 1,000 gallons - General Service	\$12.08	\$8.20	\$11.28	\$0.04
<b><u>Typical Residential 5/8" x 3/4" Meter Bill Comparison</u></b>				
4,000 Gallons	\$82.65	\$55.58	\$61.90	
6,000 Gallons	\$102.75	\$69.24	\$80.70	
8,000 Gallons	\$102.75	\$69.24	\$80.70	

<b>SCHEDULE NO. 2</b>			
<b>DOCKET NO. 20220201-WS</b>			
<b>UNAMORTIZED RATE CASE EXPENSE</b>			
	<b>Staff Recommended Rates</b>	<b>The Woods Rate Reduction 4/24/2024</b>	<b>Brendenwood Rate Reduction 3/3/2026</b>
<b><u>Residential and General Service</u></b>			
Base Facility Charge by Meter Size			
5/8" x 3/4"	\$13.19	\$0.00	\$0.00
3/4"	\$19.79	\$0.00	\$0.01
1"	\$32.98	\$0.01	\$0.01
1-1/2"	\$65.95	\$0.01	\$0.02
2"	\$105.52	\$0.02	\$0.03
3"	\$211.04	\$0.04	\$0.05
4"	\$329.75	\$0.06	\$0.08
6"	\$659.50	\$0.13	\$0.17
8"	\$1,055.20	\$0.20	\$0.27
10"	\$1,516.85	\$0.29	\$0.39
Charge per 1,000 gallons - Residential			
0 - 4,000 Gallons	\$1.86	\$0.00	\$0.00
4,001 - 10,000 Gallons	\$2.79	\$0.00	\$0.00
Over 10,000 Gallons	\$3.72	\$0.00	\$0.00
Charge per 1,000 gallons - General Service			
	\$2.98	\$0.00	\$0.00
<b><u>Private Fire Protection</u></b>			
2"	\$8.79	\$0.00	\$0.00
3"	\$17.59	\$0.00	\$0.00
4"	\$27.48	\$0.01	\$0.01
6"	\$54.96	\$0.01	\$0.01
8"	\$87.93	\$0.02	\$0.02
10"	\$126.40	\$0.02	\$0.03

Note: The rate reductions shown above should be applied to the consolidated water rates applicable to all water customers.