

The United State Navy (Navy), the Town of Middletown (Middletown), and the Portsmouth Water & Fire District (Portsmouth) intervened without objection from Newport Water. Also, the Division of Public Utilities and Carriers (Division) conducted an investigation and filed testimony in support of its position. The Division and the intervening parties (the parties) challenged Newport Water's requests and positions on projected consumption; proposed operating expenses, which were claimed to have increased by approximately \$768,253 since Newport Water's last rate case⁴, in Docket No. 4594; rate design; and the financing of Newport Water's capital program. The Navy also proposed a modification to an existing contract it has with Newport Water regarding twenty-three wheeling accounts.⁵ Newport Water did not object to the Navy's proposed modification but explained there were several steps to be taken and issues to be resolved that were not included in the scope of the instant filing.

Ms. Fogue provided direct testimony that consumption has trended downward since 2017 and was most acute with Newport Water's wholesale customers. As a result, Operation and Maintenance (O&M) expenses were reduced to mitigate cashflow problems, and Newport Water was unable to fund its Capital Fund in May and June of 2018. Since its last rate case, labor contract negotiations resulted in a 2% cost of living (COLA) increase to employee salaries for FY 2020. Since benefit costs are based on a percentage of salary, those costs rose in response. Health insurance premiums also increased. The implementation of new meter reading software, which allows customers access to monitor water usage data, caused an increase in support services/contract services. Because the City of Newport upgraded the Information Technology

⁴ In Docket No. 4595, Order No. 23269, the Commission authorized Newport Water to collect \$184,452 of additional revenue requirement for a total cost of service of \$19,090,130.

⁵ With the wheeling accounts, the Navy provides the water and Newport Water provides metering and billing services to certain customers. The Navy is proposing that the accounts be fully with the Navy so that the Navy provides water, metering, and billing.

manager position and hired new employees, the Management Information System (MIS) expense increased.⁶

Since its regulatory assessment has increased on average 11% per year from 2014-2018, Newport Water expects this trend to continue. Ms. Forgue claimed that Newport Water's sewage costs increased based on an increase in the cost of treating sludge. Property tax increases were based on historical trends. Chemical costs increased primarily because the carbon in the Advanced Treatment Vessels needed to be replaced. Ms. Forgue noted that Newport Water was not seeking an increase in the annual \$2.5 million that funds its restricted capital account, and was not proposing to change the methodology used to allocate city services that was used in the prior rate case. Finally, she represented that Newport Water had received only one non-conforming response to the Request for Proposals that it had issued to value its service lines and was planning to discuss next steps with the Division.⁷

Mr. Smith also provided prefiled testimony for Newport Water. He listed the primary reasons for the rate increase request as: 1) a decline in consumption since the last rate case; 2) an increase in O&M expenses; 3) \$7,441,000 of planned borrowing over the next three fiscal years; and 4) cost of service (COS) rates implemented in the last docket deviating from true COS rates. The deviation from true COS rates occurred when the Division recommended and the Commission allowed mitigating a substantial increase on wholesale and fire protection customers by not decreasing rates for retail customers. This resulted in retail customers subsidizing wholesale and fire protection customers. To address this, he used the same COS model but changed it to: 1)

⁶ *Id.* at 3-7.

⁷ *Id.* at 8-13.

reflect current conditions; 2) update demand characteristics for the retail class; and 3) update values for Newport Water's assets.⁸

Mr. Smith noted that projected water sales for the rate year were approximately \$200,000 less than they were in the prior rate case and that water consumption has been trending downward for the past fifteen years. When explaining how he determined demand factors, he stated that for the retail classes and for Portsmouth, ratios were developed using assumptions because there was no data on hourly demand. For the Navy, however, hourly meter data was available. After the demand factors were developed, he allocated the revenue requirement to cost categories and customer classes using a three-step process. First, he assigned costs to functional categories. Next, he assigned costs from each functional category to base/extra capacity cost categories based on system demand characteristics. Finally, he allocated base/extra capacity cost categories to customer classes based on their demand patterns.⁹

The Navy, Portsmouth, Middletown, and the Division all filed Direct Testimony in response to Newport Water's filing. Brian C. Collins, a consultant with Brubaker & Associates, Inc., provided testimony on behalf of the Navy. Mr. Collins challenged Mr. Smith's proposed cost of service study. First, he stated that the maximum day demand factor was overstated and not representative of operations during a normal year, because it failed to reflect a water main break that had occurred on January 10, 2018. Second, he stated that the maximum day demand factor did not reflect an adjustment made by Newport Water to the Navy's Green Lane meter. He noted that the overstatement of the maximum day demand factor and the failure to reflect the Green Lane meter adjustment resulted in an increase of approximately 25.4% in volumetric rates for the Navy

⁸ Harold J. Smith Direct at 3-9 (Feb. 13, 2019).

⁹ *Id.* at 18-29.

in contrast to the 14% system average proposed by Newport Water. Mr. Collins also claimed that the Navy was not being compensated for the distribution system costs associated with the wheeling services it provides to Newport Water.¹⁰

David G. Bebyn, an accountant and President of B&E Consulting, LLC, provided prefiled testimony on behalf of Portsmouth. Mr. Bebyn noted that the impact of Newport Water's requested increase would result in a 37% increase in Step 1 and a 3% increase in Step 2 for Portsmouth since the last increase went into effect less than three years ago. He expressed concern with: 1) an excessive overall revenue requirement; 2) setting usage with a downward trend; 3) the service line valuation; and 4) gradualism and the avoidance of rate shock.¹¹

To the revenue requirement, Mr. Bebyn made adjustments to five categories of expenses. First, he stated that Newport Water did not need the full amounts contained in the restricted accounts for electric, chemical, and the operating revenue allowance. Second, he argued that Newport Water should use a three-year average for its overtime, advertising, conference and training, operating supplies, uniform and protective gear, and laboratory supplies expense accounts rather than a two-year average. Next, he asserted that employee benefits and regulatory assessments should be adjusted to test-year levels. He proposed a reduction in rate case expense to a level consistent with recent cases filed by Woonsocket Water Division, Kent County Water Authority, and the Pawtucket Water Supply Board. He also stated that this expense should be amortized over three years. Finally, he proposed an adjustment to the support and city services

¹⁰ Brian C. Collins Direct at 2-9 (Jul. 10, 2019).

¹¹ David G. Bebyn Direct at 2-3 (Jul. 10, 2019).

accounts. He noted that these adjustments resulted in a reduction in total operating costs of \$827,068.¹²

Next, Mr. Bebyn addressed Newport Water's setting water usage with a downward trend. He noted that in 2016 and 2017 consumption increased slightly before decreasing in 2018. He also pointed out that the most recent figures show FY 2019 is not trending downward. He proposed using a three-year average of actual data. He noted that his adjustments to water usage coupled with those he made to expenses resulted in an approximately \$1.514 million reduction to Newport Water's request.¹³

Mr. Bebyn also discussed service line valuations and stated that they have a material impact on the allocation between retail and wholesale customers. He stressed that Portsmouth and the Navy have been paying rates that Newport Water has acknowledged may be inaccurate. He proposed moving classes closer to their cost of service and having the Commission set the first step increase at an amount not to exceed 1.5 times the system average and then incorporating the results of the service line valuation report into Step 2. Finally, Mr. Bebyn reiterated his recommendation for a cap on the Step 1 increase in his discussion on gradualism and the avoidance of rate shock.¹⁴

Middletown provided the Direct Testimony of its consultant, David F. Russell. Mr. Russell disagreed with Newport Water's declining consumption and its increased expenses justification for its rate increase request. He claimed that total sales have leveled off for the past few years and that from 2016 to 2019, there has been a growth trend. He stated that the second justification of

¹² *Id.* at 4-10.

¹³ *Id.* at 10-11.

¹⁴ *Id.* at 12-15.

increased expenses included an aggressive capital improvement plan over the next five years, which only impacts Step 2. He noted that Newport Water's residential rates are among the highest in the state and in bordering states.¹⁵

Mr. Russell expressed concern with Newport Water using a low estimate for rate year sales to estimate rate year revenues. He based this concern on the fact that consumption has been increasing since 2016, and the number of Newport Water customers has been steadily increasing. He said that conservation efforts and improved efficiencies have both reached or will soon reach saturation levels, so the consumption impacts of both of these going forward will be greatly reduced. He proposed alternative financing options for capital improvements. He also recommended that 25% of the Revenue Reserve Fund be withdrawn to offset the rate increase and offered that if the Commission was not inclined to offset the rate increase in that manner, it should disallow the annual \$155,000 increase until at least FY 2023.¹⁶

Mr. Russell recommended that rate case expense be amortized over four to six years. He also questioned the need for a Step 2 increase. He suggested that full cost of service rates be phased in and offered a plan to move in that direction. Lastly, he suggested that a two-block inclining rate be imposed for residential customers and recommended that Newport Water institute a lifeline rate or a discount percentage for its low income customers.¹⁷

The Division filed the Direct Testimony of Jerome D. Mierzwa and Lafayette K. Morgan, Jr., both consultants with Exeter Associates, Inc. Mr. Mierzwa's testimony addressed Newport Water's Class Cost of Service Study (CCOSS) and the proposed distribution of revenue increases.

¹⁵ David F. Russell Direct at 6-10 (Jul. 10, 2019).

¹⁶ *Id.* at 10-25.

¹⁷ *Id.* at 26-32.

He provided an overview of Class Cost of Service (CCOS) methodologies and evaluated Newport Water's CCOS, which he found to be for the most part reasonable. He recommended four modifications to the CCOS. The first was to assign treatment plant natural gas costs and salary/wage related costs to the base functional cost category and not the base and maximum day extra capacity functional cost category, noting that these costs are consistent throughout the year and do not increase on a maximum day. The next modification he recommended was a 1% assignment of base functional costs assigned to Fire Protection Services. He also recommended extra capacity costs be assigned to Fire Protection Service based on a fire flow of 4,350 gallons per minute for ten hours consistent with the recommendation of the National Board of Fire Underwriters. Finally, he recommended modifying the maximum hour demand factor for the Navy from 2.46 to 2.26. Regarding revenue distribution, Mr. Mierzwa recommended that no class have an increase greater than two times the system average and that any revenue deficiency be made up through an equivalent percentage increase in the volume charge of those customer classes whose increase is less than two times the system average.¹⁸

Mr. Morgan's prefiled testimony discussed the rate year revenue increase and the multi-year rate plan. He calculated an overall revenue requirement of \$18,133,887 for the rate year which is \$888,015 less than Newport Water's request. For Step 2, he calculated an increase of \$321,093, which is \$235,774 less than Newport Water's request.¹⁹

Mr. Morgan adjusted salaries and wages by changing the allocation percentage to 50% as opposed to the 60% applied by Newport Water. He explained this adjustment and noted that Newport Water provided no data or study to support the 60% allocation. He stated that it is

¹⁸ Jerome D. Mierzwa Direct at 3-8 (Jul. 10, 2019).

¹⁹ Lafayette K. Morgan Direct at 5-6 (Jul. 10, 2019).

reasonable to assume a 50% allocation for employees of both the Water Division and the Water Pollution and Control Division. He recommended calculating overtime and temporary labor using a three-year average instead of the two-year average proposed by Newport Water. He lowered the increase in insurance cost based on the notice Newport Water received that there would be a 3.1% increase in this expense. He calculated retiree benefits using documentation provided by Newport Water.²⁰

Mr. Morgan adjusted Workers' Compensation Insurance to reflect an increase in this expense. He found the advertising expense not reflective of the actual historical amount and adjusted it to reflect a three-year average. He proposed amortizing rate case expense over three years, and recalculated property taxes by using the compound annual growth rate. Mr. Morgan adjusted the gasoline and vehicle allowance to remove costs for a vehicle not in service and to correct other amounts based on Newport Water's response to a data request. He adjusted regulatory expense and reduced regulatory assessments using more recent data. Mr. Morgan removed \$5,700 from customer service/support services that was mistakenly included and recommended removing the conversion of the meter system costs in Step 2, because the conversion will be completed by then. Finally, he recommended normalizing uniforms & protective gear, reservoir maintenance, repairs & maintenance, operating supplies, laboratory supplies, chemical expenses, and heavy equipment rental expenses over a three-year period.²¹

He also discussed non-rate revenue. He stated that for ratemaking purposes, it was inappropriate to calculate this using a three-year average since it had grown consistently from year to year. He instead calculated it using average growth rates for each revenue category. Finally,

²⁰ *Id.* at 6-12.

²¹ *Id.* at 12-23.

he addressed the multi-year increase. He recommended reducing Step 2 by \$3,500, to account for the removal of the new meter system expense as previously discussed, and by rounding the difference.²²

Newport Water filed rebuttal testimony on August 21, 2019. In its rebuttal, Newport Water agreed to the Division's positions on overtime, temporary salaries, retiree insurance, use of the actual sewer charge in effect for FY 2020, property taxes, and with the Division and Portsmouth's position on advertisement. This resulted in Newport Water reducing its proposed request to support a total cost of service of \$19,578,381. Newport Water also agreed to accept Portsmouth's position to use a three-year average of FY 2016, FY 2017, and FY 2018 for projected consumption. Lastly, it agreed to eliminate January 10, 2018 in the calculation of the Navy's maximum day demand factor because of the water main break that occurred on that day.

Many issues remained unresolved, including a number of operation and maintenance expenses; non-rate revenues; adjustments to the Navy's Green Lane meter; the implementation of cost of service rates; the calculation and allocation of city services expenses; the value of Newport Water's service lines; the assignment of salary, wage, and natural gas costs at the treatment facilities being assigned solely to the base cost category; the percentage of base costs that should be assigned to fire protection; and the revision of fire demand assumptions in the cost of service model. Additionally, Newport Water and the Navy had not reached an agreement on the conversion of the wheeling accounts. Neither had Newport Water come to an agreement with Middletown's positions on projected consumption, financing its capital plan, rate case expense, the need for a second step increase, gradualism, the implementation of inclining block rates, and the establishment of discount rates. Settlement discussions continued, and by September 13, 2019,

²² *Id.* at 23-24.

Newport Water informed the Commission that the parties, with the exception of Middletown, had reached an agreement.

On September 16, 2019, the Middletown Town Council voted to approve the settlement which resolved all of the remaining outstanding issues. The Settlement Agreement was submitted to the Commission on September 18, 2019. The parties agreed to accept Newport Water's position on salaries and wages, employee benefits, rental of equipment, repairs and maintenance, reservoir maintenance, uniforms, chemicals, city services, and valuation of service lines. Newport Water agreed to a decrease in its proposed conference expense and to amortize rate case expense over a three-year period. It also agreed to Mr. Morgan's removal of the \$5,700 mistakenly included in contract services and the removal of a portion of the gas and vehicle expense that was mistakenly included in the original filing.

The parties agreed to allow \$500 in regulatory expense for the rate year that will not be permitted to be used for fines or penalties. Newport Water accepted the Division's position that the regulatory assessment be based on the average annual increase in this expense since 2014. Regarding the electricity account, Newport Water agreed to use a three-year average and to a further \$20,000 reduction, and the parties agreed to allow a \$150,000 transfer from that account into the restricted chemicals account. They also agreed that if the electricity account still has an excess balance at the time of the Step 2 filing, the parties agree to consider whether some of that excess can be transferred to debt service to offset any need to increase rates. Newport Water agreed to an adjustment to its natural gas account and to a compromised amount for laboratory supplies and self-insurance.

As to its non-rate revenues, the parties accepted Newport Water's original position, except for revenues from the Water Pollution Control Division and Middletown, which all the parties

agreed would be adjusted based on their share of final customer service operation & maintenance costs. The Navy agreed that Newport Water does not need to adjust the readings from the Green Lane meter. All the parties agreed that the implementation of COS rates will occur in two steps in FY 2020 and FY 2022.

The Division agreed to withdraw its requests for the assignment of 1% of base costs to fire protection, the assignment of salary, wage and natural gas costs at treatment facilities, and the revision of fire demand assumptions in the COS model. Newport Water and the Navy agreed to a target date of January 2021 to achieve transfer of the wheeling accounts. Middletown withdrew its proposals for an alternative financing plan, related to gradualism, inclining block rates, and the establishment of discount rates. This agreement provided for Newport Water making the necessary adjustments to its revenue to be included in its Step 2 filing subject to Commission approval. The settlement agreement allows for Newport Water to collect additional operating revenue in Step 1 of \$1,795,459 for a total revenue requirement of \$19,557,403, which will result in a \$4.58 increase per month from \$661.44 to \$716.40 per year for a typical residential customer using 5,000 gallons of water per month. The impact of the Step 2 increase of \$547,480 to support a total revenue requirement of \$20,104,883 on the typical residential customer using 5,000 gallons per month would be \$1.70 per month from \$716.40 to \$736.80 per year.

In response to a record request issued during the hearing, it was discovered that Newport Water had erroneously included the salaries and benefits of the assistant city solicitor, the probate judge, and the municipal judges before allocating the amount to the water fund and multiplying it

by budget allocator. The error resulted in an excess of \$9,789 being allocated to Newport Water's city solicitor expense.²³

On October 18, 2019, the Commission conducted an Open Meeting to discuss and deliberate on Newport Water's application. The Commission approved the settlement agreement with three adjustments. The first adjustment was to reduce the city solicitor expense by \$9,789 to reflect the actual amount that should have been allocated to that line item. The Commission also updated the rate case expense to allow for the actual expense of the rate case at the conclusion of the docket. It allowed this amount to be amortized over a three-year period and to be trued up to include the costs for the compliance filing for Step 2 of the proposed increase which would be collected in 2022. It ordered that the operating revenue allowance be recalculated and updated to reflect both changes. The Commission ordered Newport Water to file an amended settlement agreement and tariffs by October 22, 2019 for Commission review and approval at its October 25, 2019 Open Meeting or to notify the Commission by October 22, 2019 if it rejected the Commission's adjustments.

The Commission also expressed concern with the large amounts and increases in City of Newport's MIS costs over the past two years.²⁴ It noted that the response to the record request that provided this information was absent of any clarity as to the level of service the City was providing with respect to these costs. The Commission ordered that in its next rate case, Newport Water provide evidence and justification for the total amount of City MIS costs, including what portion of those costs are being allocated to Newport Water.

²³ RR 1-1.

²⁴ RR 1-2. The increase in this expense was \$803,756 since Newport Water's last approved rate increase went into effect in 2017.

Subsequent to the Commission's decision, Newport Water discovered that two large deposits totaling \$1,560,419 had been made into its restricted debt service account. The first deposit of \$1,535,152 was excess borrowed funds from debt financing that Newport Water had borrowed to finance the construction of a new water treatment plant at Lawton Valley and to make improvements at the Station One water treatment plant. Since both of the projects were completed under budget, the Rhode Island Infrastructure Bank (RIIB) authorized Newport Water to apply the \$2,211,588 of excess funds to future payments on the Series A borrowing in four payments. The second, third, and fourth payments were made as reflected in the original settlement agreement, specifically HJS Schedule D-5 Joint Settlement. But the first payment of \$1,535,152, which was to be made on September 1, 2018, was never applied by the Trustee so was instead transferred by the Trustee into Newport's restricted debt service account to be applied to future debt service payments.

The second deposit of \$25,267 was from RIIB's refinancing of a pool of loans that Newport Water participated in, and which represented Newport Water's share of the refinancing proceeds. After discovering the deposit of a portion of the excess funds realized by completing projects underbudget, Newport Water, the Division, Portsmouth, the Navy, and Middletown agreed that the total funding for debt service in FY 2020 and FY 2021 should be reduced to \$6,000,000 per year (\$500,000 per month) and that the proposed yearly funding for debt service for FY 2022 would remain at \$611,451 per month as originally proposed. The reduction in debt service resulted in rates lower than what had been originally proposed in the Settlement Agreement filed with the Commission and conditionally approved on October 18, 2019.

On November 7, 2019, Newport Water filed a Revised Settlement Agreement that incorporated the Commission's decision on October 18, 2019 as well as the effects of the deposits

made into the restricted debt service account.²⁵ During an Open Meeting on November 22, 2019, the Commission deliberated on the Revised Settlement Agreement, the newly discovered information about the deposits provided by Newport Water, and the parties' agreement regarding those funds. It approved the Step 1 proposed rate increase of \$997,876 beginning in FY 2020, which will allow Newport Water a total revenue requirement of \$18,759,820, and the proposed Step 2 increase of \$1,341,599 beginning in FY 2022 for a total revenue requirement of \$20,101,419. The Commission notes that if Newport Water's Step 2 filing includes new modifications to its revenue requirement, such as the transfer of the wheeling accounts and/or a request to transfer funds from a restricted account to debt service, additional time may be required for the Commission to review the modifications than if no new modifications were made.

Accordingly, it is hereby

(23855) ORDERED:

1. The City of Newport Utilities Department Water Division's application to change rates filed on February 13, 2019 is denied.
2. The Revised Settlement Agreement filed November 7, 2019 and attached schedules are approved.
3. The City of Newport Utilities Department Water Division is authorized to collect an additional \$997,876 in rates for a total revenue requirement of \$18,759,820 beginning in FY 2020.

²⁵ See Appendix A.

4. The City of Newport Utilities Department Water Division is authorized to collect an additional \$1,341,599 in rates for a total revenue requirement of \$20,101,419 beginning in FY 2022.
5. As part of its next application to increase rates, the City of Newport Utilities Department Water Division will provide detailed schedules and testimony regarding the City MIS costs and what portion of those costs are allocated to Newport Water and why.

EFFECTIVE AT WARWICK, RHODE ISLAND PURSUANT TO OPEN MEETING DECISIONS ON OCTOBER 18 and NOVEMBER 22, 2019. WRITTEN ORDER ISSUED JULY 1, 2020.

PUBLIC UTILITIES COMMISSION



Margaret E. Curran, Chairperson



Marion S. Gold, Commissioner



Abigail Anthony, Commissioner

NOTICE OF RIGHT OF APPEAL: Pursuant to R.I. Gen. Laws § 39-5-1, any person aggrieved by a decision or order of the PUC may, within seven days from the date of the order, petition the Rhode Island Supreme Court for a Writ of Certiorari to review the legality and reasonableness of the decision or order.

APPENDIX A

STATE OF RHODE ISLAND AND PROVIDENCE PLANTATIONS PUBLIC UTILITIES COMMISSION

IN RE: CITY OF NEWPORT, UTILITIES DEPARTMENT,
WATER DIVISION APPLICATION TO CHANGE RATES

DOCKET NO.: 4933

REVISED SETTLEMENT AGREEMENT

The City of Newport, Utilities Department, Water Division (“Newport Water” or “Newport”), the Division of Public Utilities and Carriers (“Division”), the Portsmouth Water and Fire District (“Portsmouth”), the Town of Middletown (“Middletown”) and the United States Department of the Navy (“Navy”) (collectively, the “Parties”) have reached an agreement on Newport Water’s rate application filed on February 13, 2019. Thus, the Parties jointly request approval of this revised settlement agreement (“Revised Settlement Agreement”) by the State of Rhode Island Public Utilities Commission (“Commission”).

I. RECITALS

1. On February 13, 2019, Newport Water filed an application to increase rates pursuant to R.I.G.L § 39-3-11 and the Commission’s Rules of Practice and Procedure.
2. Newport Water sought to implement a multi-year rate plan pursuant to R.I.G.L. § 39-15.1-4, which proposed to increase rates in two phases:
 - a. In the first phase of the increase, Newport Water’s proposed rates were designed to collect additional operating revenue in the amount of \$2,432,021 to support a total revenue requirement of \$19,843,202. The impact of this request for a typical residential customer who uses 5,000 gallons of water per month would have resulted in an increase of \$5.99 per month from \$661.44 to \$733.32 per year.
 - b. In the second phase of the increase, proposed to take effect on July 1, 2021, Newport Water’s proposed rates were designed to collect additional operating revenue in the amount of \$556,867 to support a total revenue requirement of

\$20,400,069. The impact of this request for a typical residential customer who uses 5,000 gallons of water per month would have resulted in an increase of \$1.75 per month from \$733.32 to \$754.32 per year.

- c. The impact of these requests on all other customers would have varied based on classification and consumption levels.
3. Newport filed direct and rebuttal testimony and schedules from Julia A. Forgue, P.E., Newport's Director of Utilities, and Harold J. Smith of Raftelis Financial Consulting. Newport also submitted rebuttal testimony from Laura Sitrin, Finance Director for the City of Newport, and Maureen Gurghigian of Hilltop Securities, Inc. in support of its application.
4. Navy moved to intervene in this Docket on March 19, 2019, and Newport did not object.
5. Navy submitted direct and surrebuttal testimony from Brian C. Collins from Brubaker & Associates, Inc. and issued data requests to Newport.
6. Middletown filed a Motion to Intervene on April 17, 2019, and Newport did not object.
7. Middletown submitted direct testimony from David F. Russell of Russell Consulting, LLC and issued data requests to Newport.
8. Portsmouth filed a Motion to Intervene in this Docket on April 19, 2019, and Newport did not object.
9. Portsmouth submitted direct testimony from David G. Bebyn, CPA of B&E Consulting, LLC, and issued data requests to Newport.

10. The Division conducted an investigation of Newport's requested rate increase through data requests and with the assistance of its staff and two outside expert consultants, Lafayette K. Morgan, Jr. and Jerome D. Mierzwa of Exeter Associates, Inc., who filed direct testimony.
11. The Division, Portsmouth, Navy and Middletown filed their direct testimonies on July 10, 2019.
12. Through their direct testimonies, the Division and the intervening parties challenged many of Newport's requests and positions including: projected consumption, proposed expenses, rate design and the financing of Newport's capital program.
13. Navy also proposed a modification to the contract between the Navy and Newport regarding twenty-three "wheeling accounts." Navy provides water to these accounts and Newport provides metering and billing services for the Navy. Navy proposed that these accounts be returned to the Navy so that the Navy would be fully responsible for providing water, metering and billing to these accounts.
14. Newport does not object to a contract modification that would return these accounts to the Navy, but converting these accounts back to the Navy would affect Newport's revenue. The wheeling accounts are charged the retail non-residential rate, but if converted to Navy accounts, then Newport Water would receive revenue from these accounts based on Navy's lower wholesale rate. Thus, Newport requested that any contract modifications and conversion of the accounts be done in conjunction with a Commission rate filing in order to make the necessary adjustments to Newport Water's revenue.

15. On August 21, 2019, Newport submitted its rebuttal testimony and agreed to accept many of the intervening parties' positions on expenses, which included the following:

- a. Overtime – Newport agreed to the Division's position.
- b. Temporary Salaries – Newport agreed to the Division's position.
- c. Retiree Insurance – Newport agreed to the Division's position.
- d. Advertisement – Newport agreed to the Division's and Portsmouth's positions.
- e. Water and Sewer – Newport agreed to the Division's position and to use the actual sewer charge in effect for Fiscal Year 2020.
- f. Property Taxes – Newport agreed to the Division's position.

16. Newport also agreed to accept Portsmouth's position on projected consumption.

Newport had originally advocated for projected rate year consumption based on a downward trend analysis of consumption in recent years. Portsmouth's witness, David Bebyn, advocated for using a three-year average using consumption for Fiscal Years 2016, 2017 and 2018. Although Newport's Fiscal Year 2019 consumption had increased over Fiscal Year 2018, Mr. Bebyn acknowledged that there was some risk in setting rate year usage using Fiscal Year 2019 consumption because Fiscal Year 2019 represents the consumption high point in the last four years. Furthermore, rate year consumption using Fiscal Years 2016, 2017 and 2018 still provides a conservative projection while also reducing Newport's overall requested increase by \$316,402.

17. Newport also agreed to Navy's request to eliminate January 10, 2018 as the Navy's maximum day for the calculation of Navy's Maximum Day Demand Factor because the Navy had a water main break on that day. In addition, Newport changed the Navy's maximum hour demand factor from 2.46 to 2.36.

18. The following issues remained unresolved between the Parties after Newport filed its rebuttal testimony:

- a. Salaries and Wages
- b. Employee Benefits
- c. Conferences and Training
- d. Rate Case Expense
- e. Contract Services
- f. Rental of Equipment
- g. Gas and Vehicle
- h. Repairs and Maintenance
- i. Reservoir Maintenance
- j. Regulatory Expense
- k. Regulatory Assessment
- l. Electricity
- m. Natural Gas
- n. Operating Supplies
- o. Uniforms and Protective Gear
- p. Chemicals

- q. Laboratory Supplies
 - r. Self-Insurance
 - s. Non-Rate Revenues
 - t. Adjustments to Navy's Green Lane Meter
 - u. The implementation of cost of service rates (gradualism)
 - v. The calculation and allocation of City Services expenses
 - w. The value of Newport's service lines
 - x. The assignment of salary, wage and natural gas costs at the treatment facilities solely to the base cost category
 - y. The assignment of 1% of base costs to fire protection
 - z. The revision of fire demand assumptions in the cost of service model
19. Newport and Navy also had not reached an agreement on the conversion of the wheeling accounts.
20. Newport also continued to disagree with Middletown's positions on projected consumption; the financing of Newport's capital plan; rate case expense; the need for a second step increase; gradualism; the implementation of inclining block rates; and, the establishment of discount rates.
21. Following Newport's submission of its rebuttal testimony, the parties began settlement discussions.
22. On September 11, 2019, Commission Counsel sent out notice that the Commission was amending the procedural schedule to facilitate the ongoing settlement discussions. A deadline was set for September 13, 2019 for the parties to inform the

Commission whether they had reached a settlement. If not, surrebuttal testimony was due on that day.

23. On September 13, 2019, counsel for Newport reported to the Commission that Newport, the Division, Portsmouth and Navy had agreed to the terms of a settlement subject to the satisfactory drafting and execution of a settlement agreement and the preparation of a final Cost of Service Model based on the settlement terms.
24. On September 13, 2019, the Commission extended the time until September 17, 2019 for Middletown to either file surrebuttal testimony or to join the settlement because Middletown's counsel was unable to review the proposed settlement agreement with the Middletown Town Council until September 16, 2019.
25. On September 16, 2019, the Town of Middletown Town Council voted to join in the settlement.
26. On September 18, 2019, the parties submitted a settlement agreement ("Settlement Agreement") to the Commission for its review.
27. A summary of the Parties' agreements on the contested issues in paragraph 18 was as follows and remains unchanged in this Revised Settlement Agreement:
 - a. Salaries and Wages – the allocation of salaries for certain employees of the City of Newport's Utilities Department will remain at 60% to the Water Division and 40% to the Water Pollution Control Division.
 - b. Employee Benefits – the allocation of benefits for certain employees of Newport's Utilities Department will remain at 60% to the Water Division and 40% to the Water Pollution Control Division and the rate year expense will incorporate the actual health insurance premiums for Fiscal Year 2020.

- c. Conferences and Training – Newport originally sought a rate year expense of \$19,260, and the Parties agreed to a compromised rate year expense of \$12,000.
- d. Rate Case Expense – the Parties agree to use the actual rate case expense at the conclusion of this Docket and to amortize the expense over three years. Furthermore, Newport will be allowed to “true up” this expense to include costs for Newport’s compliance filing for step two of the proposed increase and to collect this amount in FY 2022.
- e. Contract Services – Newport agrees to remove \$5,700 from its rate year expense for a contract that should not have been included in the calculation of rate year expense. Further, the Division preserves its right to contest the inclusion of expenses related to Newport’s meter reading software in Fiscal Year 2022 when Newport files its compliance filing for step two of the proposed increase.
- f. Rental of Equipment – the Parties agree to Newport’s original rate year request.
- g. Gas and Vehicle – the Parties agree to adjust Newport’s rate year request for the cost of one vehicle that should not have been included in the calculation of Newport’s rate year expense.
- h. Repairs and Maintenance – the Parties agree to Newport’s original rate year request.
- i. Reservoir Maintenance – the Parties agree to Newport’s original rate year request.
- j. Regulatory Expense – the Parties agree to a \$500 rate year allowance, which is reduced from Newport’s original request of \$1,500. This amount cannot be used to pay fines or penalties.
- k. Regulatory Assessment – the Parties agree to the Division’s adjustment, which is based on the average annual increase since 2014.
- l. Electricity – Newport revised its calculation of rate year expense based on a three-year average of expenses (\$727,137). In addition, Newport had proposed to transfer \$250,000 of the balance in the restricted Electricity Account to the restricted Chemicals Account. The Parties agree that Newport will instead transfer \$150,000 to the restricted Chemicals Account. Further, Newport’s rate year expense for electricity will be reduced by \$20,000 to \$707,137. When Newport files its compliance filing for step two of the

proposed increase, the Parties will analyze the balance in the restricted Electricity Account to determine whether Newport has any excess balance available to transfer into the restricted Debt Service Account to offset the need to increase rates to provide for debt service.

- m. Natural Gas – The Parties agreed to a rate year expense of \$61,302 rather than the \$49,160 Newport originally proposed. This amount is based on a three-year average of expenses and corrects inaccurate figures used to calculate Newport’s original rate year expense.
- n. Operating Supplies – the Parties agree to a compromised amount of \$45,167, which is approximately halfway between the Division’s and Newport’s respective positions.
- o. Uniforms and Protective Gear – the Parties agree to Newport’s original rate year request.
- p. Chemicals – the Parties agree to Newport’s original rate year request. When Newport files its compliance filing for step two of the proposed increase, the parties will analyze the balance in the restricted Chemicals Account to determine whether Newport has any excess balance available to transfer into the restricted Debt Service Account to offset the need to increase rates to provide for debt service.
- q. Laboratory Supplies – the Parties agree to a compromised amount of \$40,000 to account for the fact that some of Newport’s purchases have a five-year useful life.
- r. Self-Insurance – the Parties agree to a \$500 rate year expense.
- s. Non-Rate Revenues – the Parties agree to Newport’s original calculation of non-rate year revenue except for revenues received from the Water Pollution Control Division and Middletown, which will be adjusted based on the calculation of their respective shares of the final Customer Service Operation and Maintenance (O&M) costs.
- t. Adjustments to Navy’s Green Lane Meter – the Parties agree that Newport does not need to adjust the readings for this meter.
- u. The implementation of cost of service rates (gradualism) – the Parties agree that the cost of service rates resulting from the cost of service model will be implemented in two steps, the first in Fiscal Year 2020 and the second in Fiscal Year 2022 as part of Newport’s two-step increase, as reflected in HJS

Schedules A-5A and A-5B Joint Settlement as adjusted for the revenue requirement adjustments reflected in this Revised Settlement Agreement.

- v. The calculation and allocation of City Services expenses – the Parties accept Newport’s original calculation of City Services expenses subject to the terms set forth in this Revised Settlement Agreement.
 - w. The value of Newport’s service lines – the Parties agree that Newport can use the value for service lines in its original rate filing to calculate rates for this settlement, subject to the terms set forth in this Revised Settlement Agreement.
 - x. The assignment of salary, wage and natural gas costs at the treatment facilities solely to the base cost category – the Division withdraws this request without prejudice and subject to the terms set forth in this Revised Settlement Agreement.
 - y. The assignment of 1% of base costs to fire protection – the Division withdraws this request without prejudice and subject to the terms set forth in this Revised Settlement Agreement.
 - z. The revision of fire demand assumptions in the cost of service model – the Division withdraws its request without prejudice and subject to the terms set forth in this Revised Settlement Agreement.
28. Newport and Navy agree to pursue the steps necessary to achieve transfer of the wheeling accounts with a target date of January 2021 for completion of the transfer. If the contract can be modified and the transfer steps completed by this date, Newport can make the necessary adjustments to its revenues, subject to approval by the Commission, as part of Newport’s compliance filing for the implementation of the second step increase in Fiscal Year 2022.
29. Middletown withdraws its proposal for an alternative financing plan for Newport’s capital projects and its proposal related to gradualism. Middletown further withdraws without prejudice its proposals for the implementation of inclining block rates and the establishment of discount rates.

30. On October 3, 2019, the Commission held a hearing to examine the terms of the Settlement Agreement.
31. At an open meeting on October 18, 2019, the Commission voted to approve the Settlement Agreement with three changes:
- a. Newport was required to change the allocation of City Services Expense for the City Solicitor. Consistent with its response to Commission Hearing Record Request 1, Newport was directed to allocate 13.66% of a \$200,067 budget for a total allocation of \$27,329.
 - b. Newport was required to update the Settlement Agreement Schedules to include the final rate case costs, which are to be allocated over three years as set forth in paragraph 27 d.
 - c. Newport was required to recalculate the Operating Revenue Allowance after making the adjustments for City Services Expense and rate case costs.
32. Following the Commission's October 18, 2019 open meeting decision, and during the preparation of its restricted account report for the period July 1, 2019 to September 30, 2019 that is submitted to the Commission, Newport Water discovered it had a larger balance in its restricted debt service account than it anticipated during the litigation of this Docket and during settlement negotiations.
33. Specifically, Newport discovered that two deposits had been made into the restricted debt service account in the total amount of \$1,560,419. (See Schedule HJS Schedule D-5 Joint Settlement Revised)

34. The first deposit in the amount of \$1,535,152 was from \$2,211,588 of excess borrowed funds from Newport Water's 2013 Series A borrowing to finance the construction of a new water treatment plant at Lawton Valley and to make improvements at the Station One water treatment plant. Because these projects came in under budget, the Rhode Island Infrastructure Bank ("RIIB") authorized Newport Water to apply the excess funds to future payments on the 2013 Series A borrowing. The balance of the excess funds will similarly be applied to Newport Water's debt service payments as memorialized on HJS Schedule D-5 Joint Settlement Revised.
35. The second deposit of \$25,267 is from RIIB's refinancing of a pool of loans that Newport Water participated in, and which represents Newport Water's share of the refinancing proceeds.
36. Newport reported these excess funds to the Division, Portsmouth, Navy and Middletown, and after discussions, the parties agree as follows in this Revised Settlement Agreement:
- a. The total funding for debt service in FY 2020 and FY 2021 will be reduced to \$6,000,000 per year (\$500,000/month). (See Schedule HJS Schedule D-5 Joint Settlement Revised)
 - b. The proposed yearly funding for debt service in FY 2022 will remain as originally proposed (monthly funding of \$611,451), subject to approval by the Commission in the compliance filing required by R.I.G.L. § 39-15.1-4. (See Schedule HJS Schedule D-5 Joint Settlement Revised).

- c. This agreed upon reduction in debt service for FY 2020 and FY 2021 results in lower rates than proposed in the Settlement Agreement submitted by the parties on September 18, 2019 as set forth in the schedules attached to this Revised Settlement Agreement as Exhibit 1 (HJS Schedule A-1A Joint Settlement Revised through HJS Schedule D-18 Joint Settlement Revised).

37. In reaching this Revised Settlement Agreement, the Parties have given due consideration to the testimony, exhibits, schedules, data requests, data responses, settlement discussions, and other documentation included in the filings of the Parties in this Docket and agreed to a comprehensive settlement that resolves all issues relating to Newport's application to increase rates, except as provided below.

38. The Parties agree that this Revised Settlement Agreement is a just and reasonable resolution of the issues in this proceeding and jointly request its approval by the Commission.

II. TERMS OF SETTLEMENT

39. The Parties agree that HJS Schedules A-1A Joint Settlement Revised through HJS Schedule D-18 Joint Settlement Revised, attached hereto as Exhibit 1, are accurate and reflect the Parties' agreement.

40. The increase agreed to in this Revised Settlement Agreement allows Newport to collect additional operating revenue in the first phase of the increase for Fiscal Year 2020 in the amount of \$997,876 to support a total revenue requirement of \$18,759,820. The impact of this request for a typical residential customer who uses 5,000 gallons of water per month will result in an increase of \$2.11 per month from

\$661.44 to \$686.76 per year. The impact on other customers' bills will vary based on classification and consumption level.

41. The increase agreed to in this Revised Settlement Agreement for the second phase of the proposed increase (Fiscal Year 2022) allows Newport to collect an additional \$1,341,599 to support a total revenue requirement of \$20,101,419, subject to approval by the Commission following a compliance filing by Newport pursuant to the requirements of R.I.G.L. § 39-15.1-4. The impact of this request for a typical residential customer who uses 5,000 gallons of water per month will result in an increase of \$4.17 per month from \$686.76 to \$736.80 per year. The impact on other customers' bills will vary based on classification and consumption level.
42. The Parties agree that the Commission should approve the increased operating revenues and resulting rates for Fiscal Year 2020 as set forth in the Joint Revised Settlement Schedules.
43. In addition, the Parties agree that the Commission should preliminarily approve the increased operating revenues and resulting rates for Fiscal Year 2022, subject to the compliance requirements of R.I.G.L. § 39-15.1-4. Newport will comply with the mandates of R.I.G.L. § 39-15.1-4 before implementing the second step increase.
44. In this Docket, Newport and Portsmouth disagreed on the calculation of Legal & Administrative Expense (Account No. 50266) and Data Processing (Account No. 50267), otherwise known as "City Services" expense. The allocation of expenses for the City Manager, City Solicitor, Finance Administration and MIS is currently based on the Water Fund's budget compared to the combined total budgets of all

enterprise funds and the general fund. Portsmouth proposed to remove depreciation from the enterprise funds' budgets before computing the allocation factor that is based on the combined total budgets of all enterprise funds and the general fund. Newport disagreed with this position and further advocated that capital expenses, which are currently removed from the budgets for the general fund and the enterprise funds, should be included when computing the allocation factor based on the combined total budgets of all enterprise funds and the general fund for the allocation of City Manager, City Solicitor, Finance Administration and MIS expenses.

45. By the terms of this Revised Settlement Agreement, the calculation of the allocation factor based on the combined total budgets of all enterprise funds and the general fund for the allocation of City Manager, City Solicitor, Finance Administration and MIS expenses will remain unchanged. Depreciation will not be removed from the enterprise funds' budgets when computing the allocation factor based on the combined total budgets of all enterprise funds and the general fund. Likewise, capital expenses will not be included in the budgets for the general fund and the enterprise funds when computing the allocation factor based on the combined total budgets of all enterprise funds and the general fund. The Parties agree to confer prior to Newport Water's next general rate filing in an attempt to resolve this issue, and this Revised Settlement Agreement is without prejudice to the Parties requesting different allocations for City Services in future rate filings.

46. Portsmouth continues to disagree with Newport's value for service lines in Newport's original filing (See HJS Schedule B-5). The Parties agree that by the terms of this Revised Settlement Agreement, Portsmouth preserves its right to challenge Newport's value for service lines in future rate filings and by agreeing to this Revised Settlement Agreement Portsmouth does not waive its right to challenge Newport's value for service lines in future rate filings.

47. The Division argued for three changes to Newport's cost of service model:

- a. The assignment of salary, wage and natural gas costs at the treatment facilities solely to the base cost category.
- b. The assignment of 1% of base costs to fire protection.
- c. The revision of fire demand assumptions in the cost of service model.

The Division withdraws these requests without prejudice and preserves its right to advocate for these changes in future rate filings.

III. Effect of Settlement

48. This Revised Settlement Agreement is the result of a negotiated agreement. The Parties conducted the discussions that produced this Revised Settlement Agreement with the explicit understanding that all offers of settlement and discussion relating thereto are and shall be privileged, shall be without prejudice to the position of any party or participant presenting such offer or participating in any such discussion, and are not to be used in any manner in connection with these or any other proceedings.

49. The agreement by any party to the terms of this Revised Settlement Agreement shall not be construed as an agreement as to any matter of fact or law beyond the terms thereof. By entering into this Revised Settlement Agreement, matters or issues

other than those explicitly identified in this Revised Settlement Agreement have not been settled upon or conceded by any party to this Revised Settlement Agreement, and nothing in this Revised Settlement Agreement shall preclude any party from taking any position in any future proceeding regarding such unsettled matters.

50. This Revised Settlement Agreement is the product of negotiation and compromise.

The making of this agreement establishes no principal or precedent. This Revised Settlement Agreement shall not be deemed to foreclose any party from making any contention in any future proceeding or investigation.

51. In the event that the Commission rejects this Revised Settlement Agreement, or modifies this Revised Settlement Agreement or any provision therein, this Revised Settlement Agreement shall be deemed withdrawn and shall be null and void in all respects.

IN WITNESS WHEREOF, the Parties agree that this Revised Settlement Agreement is reasonable, in the public interest and in accordance with law and regulatory policy, and have caused this Revised Settlement Agreement to be executed by their respective representatives, each being authorized to do so.

CITY OF NEWPORT,
UTILITIES DEPARTMENT,
WATER DIVISION
By its Attorney,



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11/6/19

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November 7, 2019

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Date

THE DEPARTMENT OF THE NAVY,
ON BEHALF OF THE FEDERAL
EXECUTIVE AGENCIES (FEA),
By its Attorney,

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7-Nov-2019
Date

EXHIBIT 1

Docket 4933

Rhode Island Public Utilities Commission
Docket 4933
FY 2020 Rate Filing

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Docket 4933

Account	Docket 4595	Test Year (FY2018)	Test Year Normalizing Adjustments	Normalized Test Year	Rate Year Adjustments	Proposed Rate Year - FY2020
O&M COSTS						
Administration						
50001 Salaries & Wages	\$ 281,582	\$ 286,942	\$ -	\$ 286,942	\$ 10,975	\$ 297,917
AFSCME retro	-	-	\$ -	\$ -	\$ -	-
NEA retro	-	-	\$ -	\$ -	\$ -	-
AFSCME benefits on retro pay	-	-	\$ -	\$ -	\$ -	-
NEA benefits on retro pay	-	-	\$ -	\$ -	\$ -	-
50044 Standby Salaries	18,720	18,857	\$ -	\$ 18,857	\$ (137)	18,720
50520 Accrued Benefits Buyout	-	-	\$ -	\$ -	\$ -	-
50100 Employee Benefits	115,683	139,015	\$ -	\$ 139,015	\$ (3,249)	135,766
50103 Retiree Insurance Coverage	265,000	372,907	\$ -	\$ 372,907	\$ 11,104	384,011
50105 Workers Compensation	64,000	78,304	\$ -	\$ 78,304	\$ 37,122	115,426
50175 Annual Leave Buyback	3,300	3,750	\$ -	\$ 3,750	\$ (1,250)	2,500
50207 Advertisement	9,000	2,481	\$ -	\$ 2,481	\$ 1,519	4,000
50210 Membership Dues & Subscriptions	2,500	4,532	\$ -	\$ 4,532	\$ 523	5,055
50212 Conferences & Training	4,000	410	\$ 3,590	\$ 4,000	\$ (1,554)	2,446
50214 Tuition Reimbursement	2,000	-	\$ -	\$ -	\$ 2,000	2,000
50220 Consultant Fees	136,878	14,275	\$ -	\$ 14,275	\$ 79,347	93,622
50238 Postage	1,000	941	\$ -	\$ 941	\$ 59	1,000
50239 Fire & Liability Insurance	67,000	78,689	\$ -	\$ 78,689	\$ (42,189)	36,500
50251 Telephone & Communication	5,600	10,808	\$ -	\$ 10,808	\$ (208)	10,600
50305 Water	2,015	1,725	\$ -	\$ 1,725	\$ 75	1,800
50306 Electricity	7,956	7,293	\$ -	\$ 7,293	\$ 108	7,401
50307 Natural Gas	5,226	5,504	\$ -	\$ 5,504	\$ (934)	4,570
50308 Property Taxes	567,770	535,316	\$ -	\$ 535,316	\$ 11,915	547,231
50266 Legal & Administrative			\$ -	\$ -	\$ -	-
Audit Fees	4,511	4,511	\$ -	\$ 4,511	\$ 433	4,944
OPEB Contribution	27,648	27,648	\$ -	\$ 27,648	\$ 3,840	31,488
City Council	3,155	3,155	\$ -	\$ 3,155	\$ 788	3,943
City Clerk	4,409	4,409	\$ -	\$ 4,409	\$ 128	4,537
City Manager	88,016	88,016	\$ -	\$ 88,016	\$ (11,396)	76,621
Human Resources	5,926	5,926	\$ -	\$ 5,926	\$ 267	6,193
City Solicitor	26,096	26,096	\$ -	\$ 26,096	\$ 1,234	27,329
Finance Adimistrative 50%	31,570	31,570	\$ -	\$ 31,570	\$ (5,358)	26,212
Finance Adimistrative 5%	3,201	3,201	\$ -	\$ 3,201	\$ 162	3,363
Finance Admin 10% Inv/Debt	14,359	14,359	\$ -	\$ 14,359	\$ (2,551)	11,809
Purchasing	20,603	20,603	\$ -	\$ 20,603	\$ 1,802	22,404
Collections	44,183	44,183	\$ -	\$ 44,183	\$ (19,355)	24,828
Accounting - Wires - 5%	9,456	9,456	\$ -	\$ 9,456	\$ (307)	9,149
Accounting	50,716	50,716	\$ -	\$ 50,716	\$ 14,988	65,704
50267 Data Processing	231,161	231,161	\$ -	\$ 231,161	\$ 112,014	343,175
50268 Mileage Allowance	2,000	392	\$ -	\$ 392	\$ 1,608	2,000
50271 Gasoline & Vehicle Allowance	5,389	10,723	\$ -	\$ 10,723	\$ (5,341)	5,382
50275 Repairs & Maintenance	1,200	-	\$ -	\$ -	\$ 1,000	1,000
50280 Regulatory Expense	5,000	906	\$ -	\$ 906	\$ (406)	500
50281 Regulatory Assessment	80,000	112,456	\$ -	\$ 112,456	\$ 3,702	116,158
50361 Office Supplies	15,000	10,136	\$ 1,864	\$ 12,000	\$ (155)	11,845
50505 Self Insurance	5,000	2,584	\$ -	\$ 2,584	\$ (2,084)	500
50515 Unemployment Claims	-	-	\$ -	\$ -	\$ -	-
Subtotal:	\$ 2,237,828	\$ 2,263,955	\$ 5,454	\$ 2,269,409	\$ 200,239	\$ 2,469,648
						Check

Docket 4933

Account	Docket 4595	Test Year (FY2018)	Test Year Normalizing Adjustments	Normalized Test Year	Rate Year Adjustments	Proposed Rate Year - FY2020
Customer Service						
50001 Salaries & Wages	\$ 309,310	\$ 291,674	\$ -	\$ 291,674	\$ 41,740	\$ 333,414
50002 Overtime	5,409	2,611	\$ -	\$ 2,611	\$ (40)	2,571
Collections	-	-	\$ -	\$ -	\$ -	-
50004 Temp Salaries	14,976	-	\$ -	\$ -	\$ -	-
50056 Injury Pay	-	-	\$ -	\$ -	\$ -	-
50100 Employee Benefits	186,231	173,340	\$ -	\$ 173,340	\$ 62,672	236,012
50120 Bank Fees (lock box)	16,800	13,298	\$ -	\$ 13,298	\$ 1,102	14,400
50175 Annual Leave Buyback	4,500	2,526	\$ -	\$ 2,526	\$ 1,624	4,150
50205 Copying & binding	500	532	\$ -	\$ 532	\$ 68	600
50212 Conferences & Training	5,000	840	\$ 4,160	\$ 5,000	\$ (3,165)	1,835
50225 Support Services	26,175	19,252	\$ -	\$ 19,252	\$ 26,663	45,915
50238 Postage	74,680	62,307	\$ -	\$ 62,307	\$ 1,893	64,200
50271 Gasoline & Vehicle Allowance	26,945	30,831	\$ -	\$ 30,831	\$ 1,755	32,586
50275 Repairs & Maintenance	35,000	22,708	\$ -	\$ 22,708	\$ 12,292	35,000
50299 Meter Maintenance	10,000	7,696	\$ -	\$ 7,696	\$ 2,304	10,000
50311 Operating Supplies	5,000	7,924	\$ (2,924)	\$ 5,000	\$ (344)	4,656
50320 Uniforms & protective Gear	1,000	-	\$ -	\$ -	\$ 2,450	2,450
50380 Customer Service Supplies	5,000	1,951	\$ -	\$ 1,951	\$ 1,049	3,000
Subtotal:	\$ 726,526	\$ 637,490	\$ 1,236	\$ 638,726	\$ 152,063	\$ 790,789
Source of Supply - Island						
50001 Salaries & Wages	\$ 309,950	\$ 297,103	\$ -	\$ 297,103	\$ 15,551	\$ 312,654
50002 Overtime	33,000	27,936	\$ -	\$ 27,936	\$ (7,279)	20,657
50004 Temp Salaries	26,180	20,270	\$ -	\$ 20,270	\$ (13,353)	6,917
50056 Injury Pay	-	-	\$ -	\$ -	\$ -	-
50100 Employee Benefits	174,277	175,319	\$ -	\$ 175,319	\$ 37,277	212,596
50175 Annual Leave Buyback	3,800	-	\$ -	\$ -	\$ 1,700	1,700
50306 Electricity	49,880	42,593	\$ -	\$ 42,593	\$ (12,146)	30,447
50271 Gas/Vehicle Maintenance	59,279	57,957	\$ -	\$ 57,957	\$ 2,086	60,043
50275 Repairs & Maintenance	10,000	481	\$ -	\$ 481	\$ 13,519	14,000
50277 Reservoir Maintenance	16,000	21,424	\$ -	\$ 21,424	\$ 3,576	25,000
50311 Operating Supplies	7,500	9,251	\$ (1,751)	\$ 7,500	\$ (1,260)	6,240
50320 Uniforms & protective Gear	1,510	238	\$ -	\$ 238	\$ 1,762	2,000
50335 Chemicals	66,800	61,200	\$ -	\$ 61,200	\$ 33,600	94,800
Subtotal:	\$ 758,176	\$ 713,772	\$ (1,751)	\$ 712,021	\$ 75,033	\$ 787,054
Source of Supply - Mainland						
50002 Overtime	\$ 11,610	\$ 5,023	\$ -	\$ 5,023	\$ 3,899	\$ 8,922
50004 Temp Salaries	29,996	21,106	\$ -	\$ 21,106	\$ (1,341)	19,765
50005 Permanent Part time	12,900	6,040	\$ -	\$ 6,040	\$ 6,860	12,900
50100 Employee Benefits	2,525	2,461	\$ -	\$ 2,461	\$ 897	3,358
50306 Electricity	154,424	149,593	\$ -	\$ 149,593	\$ (11,532)	138,061
50275 Repairs & Maintenance	7,000	18,462	\$ -	\$ 18,462	\$ (1,462)	17,000
50277 Reservoir Maintenance	4,500	4,199	\$ -	\$ 4,199	\$ 7,801	12,000
50311 Operating Supplies	1,000	178	\$ 822	\$ 1,000	\$ (534)	466
Subtotal:	\$ 223,955	\$ 207,062	\$ 822	\$ 207,884	\$ 4,588	\$ 212,472

Docket 4933

Account	Docket 4595	Test Year (FY2018)	Test Year Normalizing Adjustments	Normalized Test Year	Rate Year Adjustments	Proposed Rate Year - FY2020
Station One						
50001 Salaries & Wages	\$511,075	\$ 561,329	\$ -	\$ 561,329	\$ (48,284)	\$ 513,045
50002 Overtime	102,940	91,625	\$ -	91,625	(5,194)	86,431
50003 Holiday Pay	22,032	20,686	\$ -	20,686	1,095	21,781
50045 Lead Plant Operator Stipend	12,480	11,240	\$ -	11,240	1,240	12,480
50100 Employee Benefits	\$263,937	280,974	\$ -	280,974	14,073	295,047
50175 Annual Leave Buyback	12,000	9,645	\$ -	9,645	1,955	11,600
50212 Conferences & Training	4,500	2,190	\$ 2,310	4,500	(1,748)	2,752
50239 Fire & Liability Insurance	35,000	28,331	\$ -	28,331	36,434	64,765
50306 Electricity	\$212,484	223,249	\$ -	223,249	(112)	223,137
50307 Natural Gas	43,410	32,402	\$ -	32,402	(1,934)	30,468
50260 Rental of Equipment	1,000	1,854	\$ -	1,854	(854)	1,000
50305 Sewer Charge	204,000	99,180	\$ -	99,180	25,718	124,898
50271 Gas/Vehicle Maintenance	5,389	7,050	\$ -	7,050	3,006	10,056
50275 Repairs & Maintenance	\$66,992	33,512	\$ -	33,512	21,488	55,000
50311 Operating Supplies	\$17,161	119	\$17,042	17,161	(3,192)	13,969
50320 Uniforms & protective Gear	1,426	835	\$ -	835	2,790	3,625
50335 Chemicals	366,315	242,583	\$ -	242,583	188,637	431,220
Subtotal:	\$ 1,882,141	\$ 1,646,804	\$ 19,352	\$ 1,666,156	\$ 235,119	\$ 1,901,275
Lawton Valley						
50001 Salaries & Wages	\$498,541	\$ 528,608	\$ -	\$ 528,608	\$ 2,434	\$ 531,042
50002 Overtime	98,903	102,478	\$ -	102,478	6,986	109,464
50003 Holiday Pay	19,992	19,772	\$ -	19,772	(157)	19,615
50045 Lead Plant Operator Stipend	12,480	4,176	\$ -	4,176	8,304	12,480
50100 Employee Benefits	\$278,234	309,454	\$ -	309,454	24,659	334,113
50175 Annual Leave Buyback	7,400	9,724	\$ -	9,724	(224)	9,500
50212 Conferences & Training	4,120	2,495	\$ 1,625	4,120	(1,600)	2,520
50239 Fire & Liability Insurance	54,000	61,505	\$ -	61,505	(1,180)	60,325
50306 Electricity	\$375,091	289,647	\$ -	289,647	(3,613)	286,034
50307 Natural Gas	34,663	25,950	\$ -	25,950	314	26,264
50260 Rental of Equipment	1,000	322	\$ -	322	678	1,000
50305 Sewer Charge	510,000	437,731	\$ -	437,731	(3,020)	434,711
50271 Gas/Vehicle Maintenance	5,389	5,678	\$ -	5,678	439	6,117
50275 Repairs & Maintenance	\$61,556	55,359	\$ -	55,359	9,641	65,000
50311 Operating Supplies	\$13,311	2,747	\$10,564	13,311	(925)	12,386
50320 Uniforms & protective Gear	1,303	835	\$ -	835	2,765	3,600
50335 Chemicals	328,667	332,292	\$ -	332,292	136,644	468,936
Subtotal:	\$ 2,304,651	\$ 2,188,773	\$ 12,189	\$ 2,200,962	\$ 182,145	\$ 2,383,107
Laboratory						
50001 Salaries & Wages	\$ 121,179	\$ 105,565	\$ -	\$ 105,565	\$ 38,398	\$ 143,963
50100 Employee Benefits	55,194	56,521	\$ -	56,521	30,400	86,921
50175 Annual Leave Buyback	1,500	4,210	\$ -	4,210	40	4,250
50275 Repairs & Maintenance	1,700	995	\$ -	995	5,205	6,200
50281 Regulatory Assessment	47,024	58,270	\$ -	58,270	25,430	83,700
50339 Laboratory Supplies	35,627	21,104	\$ -	21,104	18,896	40,000
Subtotal:	\$ 262,224	\$ 246,665	\$ -	\$ 246,665	\$ 118,369	\$ 365,034

Docket 4933

Account	Docket 4595	Test Year (FY2018)	Test Year Normalizing Adjustments	Normalized Test Year	Rate Year Adjustments	Proposed Rate Year - FY2020
Transmission & Distribution						
50001 Salaries & Wages	\$ 515,219	\$ 463,664	\$ -	\$ 463,664	\$ 57,785	\$ 521,449
50002 Overtime	52,364	43,341	\$ -	43,341	(1,247)	42,094
50004 Temp Salaries	26,180	22,256	\$ -	22,256	(2,800)	19,456
50056 Injury Pay	-	-	\$ -	-	-	-
50100 Employee Benefits	312,306	231,379	\$ -	231,379	72,160	303,539
50175 Annual Leave Buyback	7,500	2,722	\$ -	2,722	3,278	6,000
50212 Conferences & Training	4,000	1,200	\$ 2,800	4,000	(1,554)	2,446
50225 Contract Services	21,525	10,316	\$ -	10,316	1,554	11,870
50239 Fire & Liability Insurance	12,000	9,664	\$ -	9,664	1,246	10,910
50306 Electricity	20,607	16,922	\$ -	16,922	5,135	22,057
50260 Heavy Equipment Rental	8,260	246	\$ -	246	8,754	9,000
50271 Gas/Vehicle Maintenance	70,057	93,121	\$ -	93,121	(5,638)	87,483
50275 Repairs & Maintenance	26,000	18,687	\$ -	18,687	1,513	20,200
50276 Main Maintenance	91,200	84,145	\$ -	84,145	(18,145)	66,000
50296 Service Maintenance	30,000	27,194	\$ -	27,194	2,806	30,000
50311 Operating Supplies	8,000	10,014	\$ -	10,014	(2,564)	7,450
50320 Uniforms & protective Gear	4,000	1,173	\$ -	1,173	2,827	4,000
Subtotal:	\$ 1,209,218	\$ 1,036,044	\$ 2,800	\$ 1,038,844	\$ 125,110	\$ 1,163,954
Fire Protection						
50275 Repair & Maintenance - Equipment	\$ 23,800	\$ 7,739	\$ 16,061	\$ 23,800	\$ 7,500	\$ 31,300
Subtotal:	\$ 23,800	\$ 7,739	\$ 16,061	\$ 23,800	\$ 7,500	\$ 31,300
Total O&M Costs	\$ 9,628,521	\$ 8,948,304	\$ 56,163	\$ 9,004,467	\$ 1,100,166	\$ 10,104,634

Docket 4933

Account	Docket 4595	Test Year (FY2018)	Test Year Normalizing Adjustments	Normalized Test Year	Rate Year Adjustments	Proposed Rate Year - FY2020
CAPITAL COSTS						
Contribution to Capital Spending Acct.	\$ 2,500,000	\$2,508,830	\$ -	\$2,508,830	\$ (8,830)	\$ 2,500,000
Contribution to Debt Service Acct.	\$6,811,000	\$6,810,996	\$ -	\$6,810,996	\$ (810,996)	\$ 6,000,000
Total Capital Costs	\$ 9,311,000	\$ 9,319,826	\$ -	\$ 9,319,826	\$ (819,826)	\$ 8,500,000
Operating Revenue Allowance	\$ 144,428	\$ 268,449	\$ (1,469)	\$ 266,980	\$ (115,410)	\$ 151,570
Total Costs before Offsets	\$ 19,083,948	\$ 18,536,579	\$ 54,694	\$ 18,591,273	\$ 164,930	\$ 18,756,203
OFFSETS						
Nonrate Revenues						
Sundry charges	\$ 126,250	\$ 152,508	\$ -	\$ 152,508	\$ (19,508)	\$ 133,000
WPC cost share on customer service	330,000	331,646	\$ -	331,646	\$ 19,836	351,482
Middletown cost share on customer service	167,000	166,727	\$ -	166,727	\$ 12,055	178,782
Rental of Property	95,200	92,371	\$ -	92,371	\$ (2,371)	90,000
Water Penalty	51,200	48,776	\$ -	48,776	\$ 1,224	50,000
Miscellaneous*	242,251	-	\$ -	-	\$ 11,300	11,300
Investment Interest Income	1,250	24,842	\$ -	24,842	\$ (4,842)	20,000
Water Quality Protection Fees	22,250	20,751	\$ -	20,751	\$ 249	21,000
Total Nonrate Revenues	\$ 1,035,401	\$ 837,621	\$ -	\$ 837,621	\$ 17,943	\$ 855,564
Net Costs to Be Recovered through Rates	\$ 18,048,547	\$ 17,698,958	\$ 54,694	\$ 17,753,652	\$ 146,987	\$ 17,900,639

* In Docket 4595 the transfer from restricted accounts to mitigate rate increase was included in this line item.

Docket 4933

Rhode Island Public Utilities Commission
 Docket 4933
 FY 2020 Rate Filing
 HJS Schedule A-1B Joint Settlement Revised
 Revenue Requirements by Account

	Test Year	Test Year	Normalized	Rate Year	Proposed	
	(FY2018)	Normalizing	Test Year	Adjustments	Rate Year -	
		Adjustments			FY2020	
50001	Salaries & Wages	\$ 2,534,885	\$ -	\$2,534,885	\$ 118,599	\$ 2,653,484
50002	Overtime	\$ 273,014	\$ -	\$ 273,014	\$ (2,875)	\$ 270,139
50003	Holiday Pay	\$ 40,458	\$ -	\$ 40,458	\$ 939	\$ 41,397
50004	Temp Salaries	\$ 63,632	\$ -	\$ 63,632	\$ (17,494)	\$ 46,138
50005	Permanent Part time	\$ 6,040	\$ -	\$ 6,040	\$ 6,860	\$ 12,900
50044	Standby Salaries	\$ 18,857	\$ -	\$ 18,857	\$ (137)	\$ 18,720
50045	Lead Plant Operator Stipend	\$ 15,416	\$ -	\$ 15,416	\$ 9,544	\$ 24,960
50056	Injury Pay	\$ -	\$ -	\$ -	\$ -	\$ -
50100	Employee Benefits	\$ 1,368,463	\$ -	\$1,368,463	\$ 238,889	\$ 1,607,352
50103	Retiree Insurance Coverage	\$ 372,907	\$ -	\$ 372,907	\$ 11,104	\$ 384,011
50105	Workers Compensation	\$ 78,304	\$ -	\$ 78,304	\$ 37,122	\$ 115,426
50120	Bank Fees (lock box)	\$ 13,298	\$ -	\$ 13,298	\$ 1,102	\$ 14,400
50175	Annual Leave Buyback	\$ 32,577	\$ -	\$ 32,577	\$ 7,123	\$ 39,700
50205	Copying & binding	\$ 532	\$ -	\$ 532	\$ 68	\$ 600
50207	Advertisement	\$ 2,481	\$ -	\$ 2,481	\$ 1,519	\$ 4,000
50210	Membership Dues & Subscriptions	\$ 4,532	\$ -	\$ 4,532	\$ 523	\$ 5,055
50212	Conferences & Training	\$ 7,135	\$ 14,485	\$ 21,620	\$ (9,621)	\$ 11,999
50214	Tuition Reimbursement	\$ -	\$ -	\$ -	\$ 2,000	\$ 2,000
50220	Consultant Fees	\$ 14,275	\$ -	\$ 14,275	\$ 79,347	\$ 93,622
50225	Support Services/Contract Services	\$ 29,568	\$ -	\$ 29,568	\$ 28,217	\$ 57,785
50238	Postage	\$ 63,248	\$ -	\$ 63,248	\$ 1,952	\$ 65,200
50239	Fire & Liability Insurance	\$ 178,189	\$ -	\$ 178,189	\$ (5,689)	\$ 172,500
50251	Telephone & Communication	\$ 10,808	\$ -	\$ 10,808	\$ (208)	\$ 10,600
50260	Rental of Equipment	\$ 2,422	\$ -	\$ 2,422	\$ 8,578	\$ 11,000
50266	Legal & Administrative	\$ 333,848	\$ -	\$ 333,848	\$ (15,325)	\$ 318,524
50267	Data Processing	\$ 231,161	\$ -	\$ 231,161	\$ 112,014	\$ 343,175
50268	Mileage Allowance	\$ 392	\$ -	\$ 392	\$ 1,608	\$ 2,000
50271	Gasoline & Vehicle Allowance	\$ 205,360	\$ -	\$ 205,360	\$ (3,693)	\$ 201,667
50275	Repairs & Maintenance	\$ 157,943	\$ 16,061	\$ 174,004	\$ 70,696	\$ 244,700
50276	Main Maintenance	\$ 84,145	\$ -	\$ 84,145	\$ (18,145)	\$ 66,000
50277	Reservoir Maintenance	\$ 25,623	\$ -	\$ 25,623	\$ 11,377	\$ 37,000
50280	Regulatory Expense	\$ 906	\$ -	\$ 906	\$ (406)	\$ 500
50281	Regulatory Assessment	\$ 170,726	\$ -	\$ 170,726	\$ 29,132	\$ 199,858
50296	Service Maintenance	\$ 27,194	\$ -	\$ 27,194	\$ 2,806	\$ 30,000
50299	Meter Maintenance	\$ 7,696	\$ -	\$ 7,696	\$ 2,304	\$ 10,000
50305	Water/Sewer Charge	\$ 538,636	\$ -	\$ 538,636	\$ 22,773	\$ 561,409
50306	Electricity	\$ 729,297	\$ -	\$ 729,297	\$ (22,160)	\$ 707,137
50307	Natural Gas	\$ 63,856	\$ -	\$ 63,856	\$ (2,554)	\$ 61,302
50308	Property Taxes	\$ 535,316	\$ -	\$ 535,316	\$ 11,915	\$ 547,231
50311	Operating Supplies	\$ 30,233	\$ 23,753	\$ 53,986	\$ (8,819)	\$ 45,167
50320	Uniforms & protective Gear	\$ 3,081	\$ -	\$ 3,081	\$ 12,594	\$ 15,675
50335	Chemicals	\$ 636,075	\$ -	\$ 636,075	\$ 358,881	\$ 994,956
50339	Laboratory Supplies	\$ 21,104	\$ -	\$ 21,104	\$ 18,896	\$ 40,000
50361	Office Supplies	\$ 10,136	\$ 1,864	\$ 12,000	\$ (155)	\$ 11,845
50380	Customer Service Supplies	\$ 1,951	\$ -	\$ 1,951	\$ 1,049	\$ 3,000
50505	Self Insurance	\$ 2,584	\$ -	\$ 2,584	\$ (2,084)	\$ 500
		8,948,304	56,163	9,004,467	1,100,166	10,104,634

Docket 4933

Rhode Island Public Utilities Commission
 Docket 4933
 FY 2020 Rate Filing
 HJS Schedule A-2A Joint Settlement Revised
 Cost of Service Rates and Charges

		Docket 4595	Cost of Service	Proposed Rates	% Change	Projected Revenues
		Rates				
Base Charge (per bill)						
Monthly						
5/8	\$	5.02	\$ 5.2252	\$ 5.23	4%	\$672,850
3/4	\$	5.27	5.4701	5.48	4%	166,636
1	\$	7.03	7.2575	7.26	3%	49,746
1.5	\$	11.33	11.6275	11.63	3%	53,451
2	\$	15.86	16.1821	16.19	2%	49,541
3	\$	41.71	42.0313	42.04	1%	30,269
4	\$	49.12	49.3793	49.38	1%	8,888
5	\$	58.99	59.1767	59.18	0%	0
6	\$	66.40	66.5248	66.53	0%	27,144
8	\$	86.15	86.1196	86.12	0%	4,134
10	\$	121.95	121.6353	121.64	0%	2,919
Portsmouth Base Charge (4")	\$	1.36	1.5519	1.56	15%	19
						1,065,597
Volume Charge (per 1,000 gallons)						
Retail						
Residential	\$	10.02	\$ 10.3865	\$ 10.39	4%	6,488,555
Non-Residential	\$	11.22	\$ 10.8091	\$ 10.81	-4%	4,812,612
						\$ 11,301,167
Wholesale						
Navy	\$	6.5190	\$ 7.4268	\$ 7.4268	14%	1,402,923
Portsmouth Water & Fire District	\$	5.2920	\$ 6.5267	\$ 6.5268	23%	2,460,604
						\$ 3,863,526
Fire Protection						
Public (per hydrant)	\$	944.22	\$ 1,136.50	\$ 1,136.50	20%	\$ 1,184,233
Private (by Connection Size)						
	Connection Size	Existing Charge				
	<2	\$33.26	\$ 36.22	\$ 36.22	9%	
	2	6.19	\$139.26	\$ 151.65	9%	-
	4	38.32	\$468.22	\$ 533.99	14%	42,186
	6	111.31	\$1,055.81	\$ 1,238.79	17%	293,593
	8	237.21	\$2,069.28	\$ 2,454.41	19%	132,538
	10	426.58	\$3,593.75	\$ 4,282.96	19%	21,415
	12	689.04	\$5,706.61	\$ 6,817.26	19%	-
						\$ 489,732
Total Projected Rate Revenues						\$ 17,904,256

Docket 4933

Rhode Island Public Utilities Commission
 Docket 4933
 FY 2020 Rate Filing
 HJS Schedule A-2B Joint Settlement Revised
 Multi-Year Rate Plan

Rates and Charges	Current Rates	Rate Year		Future Year	
		Proposed FY 2020	% Increase	Proposed FY 2022	% Increase
Billing Charge (per bill)					
5/8	\$ 5.02	\$ 5.23	4%	\$ 5.60	7%
3/4	\$ 5.27	\$ 5.48	4%	\$ 5.86	7%
1	\$ 7.03	\$ 7.26	3%	\$ 7.82	8%
1.5	\$ 11.33	\$ 11.63	3%	\$ 12.60	8%
2	\$ 15.86	\$ 16.19	2%	\$ 17.58	9%
3	\$ 41.71	\$ 42.04	1%	\$ 45.90	9%
4	\$ 49.12	\$ 49.38	1%	\$ 53.95	9%
5	\$ 58.99	\$ 59.18	0%	\$ 64.69	9%
6	\$ 66.40	\$ 66.53	0%	\$ 72.74	9%
8	\$ 86.15	\$ 86.12	0%	\$ 94.22	9%
10	\$ 121.95	\$ 121.64	0%	\$ 133.15	9%
Portsmouth Base Charge (4")	\$ 1.36	\$ 1.56	15%	\$ 1.57	1%
Commodity Charge (per 1,000 gallons)					
Retail					
Residential	\$ 10.02	\$ 10.39	4%	\$ 11.16	7%
Non-Residential	\$ 11.22	\$ 10.81	-4%	\$ 11.62	7%
Wholesale					
Navy	\$ 6.5190	\$ 7.4268	14%	\$ 7.9592	7%
Portsmouth Water & Fire District	\$ 5.2920	\$ 6.5268	23%	\$ 6.9929	7%
Fire Protection					
Public (per hydrant)	\$ 944.22	\$ 1,136.50	20%	\$ 1,234.50	9%
Private (Connection Size)					
Less than 2"	\$33.26	\$ 36.22	9%	\$ 39.48	9%
2"	\$139.26	\$ 151.65	9%	\$ 165.29	9%
4"	\$468.22	\$ 534.00	14%	\$ 581.53	9%
6"	\$1,055.81	\$ 1,238.79	17%	\$ 1,348.13	9%
8"	\$2,069.28	\$ 2,454.41	19%	\$ 2,670.35	9%
10"	\$3,593.75	\$ 4,282.96	19%	\$ 4,659.25	9%
12"	\$5,706.61	\$ 6,817.26	19%	\$ 7,415.79	9%

Docket 4933

Rhode Island Public Utilities Commission
 Docket 4933
 FY 2020 Rate Filing
 HJS Schedule A-3A Joint Settlement Revised
 Bill Impacts
 Page 1 of 3

Customer Class	Proposed 5/8 Inch Meter				Proposed 3/4 Inch Meter				Proposed 1 Inch Meter				Proposed 1.5 Inch Meter				Proposed 2 Inch Meter				Proposed 3 Inch Meter				
	Consumption per Bill (gallons)	Annual Bill at Current Rates	Annual Bill at Proposed Rates	Dollar Change	Percent Change	Annual Bill at Current Rates	Annual Bill at Proposed Rates	Dollar Change	Percent Change	Annual Bill at Current Rates	Annual Bill at Proposed Rates	Dollar Change	Percent Change	Annual Bill at Current Rates	Annual Bill at Proposed Rates	Dollar Change	Percent Change	Annual Bill at Current Rates	Annual Bill at Proposed Rates	Dollar Change	Percent Change	Annual Bill at Current Rates	Annual Bill at Proposed Rates	Dollar Change	Percent Change
Residential (Monthly)	1,000	\$180.48	\$187.44	\$6.96	3.9%	\$183.48	\$190.44	\$6.96	3.9%	\$204.60	\$211.80	\$7.20	4.0%	\$256.20	\$264.24	\$8.04	4.5%	\$310.56	\$318.96	\$8.40	4.7%	\$620.76	\$629.16	\$8.40	4.7%
	2,000	\$300.72	\$312.12	\$11.40	3.8%	\$303.72	\$315.12	\$11.40	3.8%	\$324.84	\$336.48	\$11.64	3.9%	\$376.44	\$388.92	\$12.48	4.2%	\$430.80	\$443.64	\$12.84	4.3%	\$741.00	\$753.84	\$12.84	4.3%
	4,000	\$541.20	\$561.48	\$20.28	3.7%	\$544.20	\$564.48	\$20.28	3.7%	\$565.32	\$585.84	\$20.52	3.8%	\$616.92	\$638.28	\$21.36	3.9%	\$671.28	\$693.00	\$21.72	4.0%	\$981.48	\$1,003.20	\$21.72	4.0%
	5,000	\$661.44	\$686.16	\$24.72	3.7%	\$664.44	\$689.16	\$24.72	3.7%	\$685.56	\$710.52	\$24.96	3.8%	\$737.16	\$762.96	\$25.80	3.9%	\$791.52	\$817.68	\$26.16	4.0%	\$1,101.72	\$1,127.88	\$26.16	4.0%
	7,500	\$962.04	\$997.86	\$35.82	3.7%	\$965.04	\$1,000.86	\$35.82	3.7%	\$986.16	\$1,022.22	\$36.06	3.7%	\$1,037.76	\$1,074.66	\$36.90	3.8%	\$1,092.12	\$1,129.38	\$37.26	3.9%	\$1,402.32	\$1,439.58	\$37.26	3.9%
	10,000	\$1,262.64	\$1,309.56	\$46.92	3.7%	\$1,265.64	\$1,312.56	\$46.92	3.7%	\$1,286.76	\$1,333.92	\$47.16	3.7%	\$1,338.36	\$1,386.36	\$48.00	3.8%	\$1,392.72	\$1,441.08	\$48.36	3.8%	\$1,702.92	\$1,751.28	\$48.36	3.8%
	15,000	\$1,863.84	\$1,932.96	\$69.12	3.7%	\$1,866.84	\$1,935.96	\$69.12	3.7%	\$1,887.96	\$1,957.32	\$69.36	3.7%	\$1,939.56	\$2,009.76	\$70.20	3.8%	\$1,993.92	\$2,064.48	\$70.56	3.8%	\$2,304.12	\$2,374.68	\$70.56	3.8%
	20,000	\$2,465.04	\$2,556.36	\$91.32	3.7%	\$2,468.04	\$2,559.36	\$91.32	3.7%	\$2,489.16	\$2,580.72	\$91.56	3.7%	\$2,540.76	\$2,633.16	\$92.40	3.7%	\$2,595.12	\$2,687.88	\$92.76	3.8%	\$2,905.32	\$2,998.08	\$92.76	3.8%
	25,000	\$3,066.24	\$3,179.76	\$113.52	3.7%	\$3,069.24	\$3,182.76	\$113.52	3.7%	\$3,090.36	\$3,204.12	\$113.76	3.7%	\$3,141.96	\$3,256.56	\$114.60	3.7%	\$3,196.32	\$3,311.28	\$114.96	3.7%	\$3,506.52	\$3,621.48	\$114.96	3.7%
	30,000	\$3,667.44	\$3,803.16	\$135.72	3.7%	\$3,670.44	\$3,806.16	\$135.72	3.7%	\$3,691.56	\$3,827.52	\$135.96	3.7%	\$3,743.16	\$3,879.96	\$136.80	3.7%	\$3,797.52	\$3,934.68	\$137.16	3.7%	\$4,107.72	\$4,244.88	\$137.16	3.7%

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Rhode Island Public Utilities Commission
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 FY 2020 Rate Filing
 HJS Schedule A-3A Joint Settlement Revised
 Bill Impacts
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Customer Class	Proposed 5/8 Inch Meter					Proposed 3/4 Inch Meter				Proposed 1 Inch Meter				Proposed 1.5 Inch Meter				Proposed 2 Inch Meter				Proposed 3 Inch Meter			
	Monthly Consumption (gallons)	Annual Bill at Current Rates	Annual Bill at Proposed Rates	Dollar Change	Percent Change	Annual Bill at Current Rates	Annual Bill at Proposed Rates	Dollar Change	Percent Change	Annual Bill at Current Rates	Annual Bill at Proposed Rates	Dollar Change	Percent Change	Annual Bill at Current Rates	Annual Bill at Proposed Rates	Dollar Change	Percent Change	Annual Bill at Current Rates	Annual Bill at Proposed Rates	Dollar Change	Percent Change	Annual Bill at Current Rates	Annual Bill at Proposed Rates	Dollar Change	Percent Change
Non-Residential (Monthly)	2,000	\$329.52	\$322.20	-\$7.32	-2.2%	\$332.52	\$325.20	-\$7.32	-2.2%	\$353.64	\$346.56	-\$7.08	-2.1%	\$405.24	\$399.00	-\$6.24	-1.9%	\$459.60	\$453.72	-\$5.88	-1.8%	\$741.00	\$753.84	\$12.84	3.9%
	5,000	\$733.44	\$711.36	-\$22.08	-3.0%	\$736.44	\$714.36	-\$22.08	-3.0%	\$757.56	\$735.72	-\$21.84	-3.0%	\$809.16	\$788.16	-\$21.00	-2.9%	\$863.52	\$842.88	-\$20.64	-2.8%	\$1,101.72	\$1,127.88	\$26.16	3.6%
	9,000	\$1,272.00	\$1,230.24	-\$41.76	-3.3%	\$1,275.00	\$1,233.24	-\$41.76	-3.3%	\$1,296.12	\$1,254.60	-\$41.52	-3.3%	\$1,347.72	\$1,307.04	-\$40.68	-3.2%	\$1,402.08	\$1,361.76	-\$40.32	-3.2%	\$1,582.68	\$1,626.60	\$43.92	3.5%
	25,000	\$3,426.24	\$3,305.76	-\$120.48	-3.5%	\$3,429.24	\$3,308.76	-\$120.48	-3.5%	\$3,450.36	\$3,330.12	-\$120.24	-3.5%	\$3,501.96	\$3,382.56	-\$119.40	-3.5%	\$3,556.32	\$3,437.28	-\$119.04	-3.5%	\$3,506.52	\$3,621.48	\$114.96	3.4%
	30,000	\$4,099.44	\$3,954.36	-\$145.08	-3.5%	\$4,102.44	\$3,957.36	-\$145.08	-3.5%	\$4,123.56	\$3,978.72	-\$144.84	-3.5%	\$4,175.16	\$4,031.16	-\$144.00	-3.5%	\$4,229.52	\$4,085.88	-\$143.64	-3.5%	\$4,107.72	\$4,244.88	\$137.16	3.3%
	40,000	\$5,445.84	\$5,251.56	-\$194.28	-3.6%	\$5,448.84	\$5,254.56	-\$194.28	-3.6%	\$5,469.96	\$5,275.92	-\$194.04	-3.6%	\$5,521.56	\$5,328.36	-\$193.20	-3.5%	\$5,575.92	\$5,383.08	-\$192.84	-3.5%	\$5,310.12	\$5,491.68	\$181.56	3.3%
	50,000	\$6,792.24	\$6,548.76	-\$243.48	-3.6%	\$6,795.24	\$6,551.76	-\$243.48	-3.6%	\$6,816.36	\$6,573.12	-\$243.24	-3.6%	\$6,867.96	\$6,625.56	-\$242.40	-3.6%	\$6,922.32	\$6,680.28	-\$242.04	-3.6%	\$6,512.52	\$6,738.48	\$225.96	3.3%
	75,000	\$10,158.24	\$9,791.76	-\$366.48	-3.6%	\$10,161.24	\$9,794.76	-\$366.48	-3.6%	\$10,182.36	\$9,816.12	-\$366.24	-3.6%	\$10,233.96	\$9,868.56	-\$365.40	-3.6%	\$10,288.32	\$9,923.28	-\$365.04	-3.6%	\$9,518.52	\$9,855.48	\$336.96	3.3%
100,000	\$13,524.24	\$13,034.76	-\$489.48	-3.6%	\$13,527.24	\$13,037.76	-\$489.48	-3.6%	\$13,548.36	\$13,059.12	-\$489.24	-3.6%	\$13,599.96	\$13,111.56	-\$488.40	-3.6%	\$13,654.32	\$13,166.28	-\$488.04	-3.6%	\$12,524.52	\$12,972.48	\$447.96	3.3%	

Customer Class	Proposed 5/8 Inch Meter					Proposed 3/4 Inch Meter				Proposed 1 Inch Meter				Proposed 1.5 Inch Meter				Proposed 2 Inch Meter				Proposed 3 Inch Meter			
	Annual Consumption (gallons)	Annual Bill at Current Rates	Annual Bill at Proposed Rates	Dollar Change	Percent Change	Annual Bill at Current Rates	Annual Bill at Proposed Rates	Dollar Change	Percent Change	Annual Bill at Current Rates	Annual Bill at Proposed Rates	Dollar Change	Percent Change	Annual Bill at Current Rates	Annual Bill at Proposed Rates	Dollar Change	Percent Change	Annual Bill at Current Rates	Annual Bill at Proposed Rates	Dollar Change	Percent Change	Annual Bill at Current Rates	Annual Bill at Proposed Rates	Dollar Change	Percent Change
Non-Residential with 6" Fire Connection(Monthly Account)	9,000	\$161.22	\$160.05	-\$1.17	-0.7%	\$160.53	\$163.05	\$2.52	1.6%	\$181.65	\$184.41	\$2.76	1.7%	\$233.25	\$236.85	\$3.60	2.2%	\$287.61	\$291.57	\$3.96	2.5%	\$597.81	\$601.77	\$3.96	2.5%
		\$1,055.81	\$1,238.79	\$182.98	17.3%	\$1,055.81	\$1,238.79	\$182.98	17.3%	\$1,055.81	\$1,238.79	\$182.98	17.3%	\$1,055.81	\$1,238.79	\$182.98	17.3%	\$1,055.81	\$1,238.79	\$182.98	17.3%	\$1,055.81	\$1,238.79	\$182.98	17.3%
Total Annual Charges		\$1,217.03	\$1,398.84	\$181.81	14.9%	\$1,216.34	\$1,401.84	\$185.50	15.2%	\$1,237.46	\$1,423.20	\$185.74	15.3%	\$1,289.06	\$1,475.64	\$186.58	15.3%	\$1,343.42	\$1,530.36	\$186.94	15.4%	\$1,653.62	\$1,840.56	\$186.94	15.4%

Customer Class	Monthly Consumption (gallons)	Monthly Bill at Current Rates	Proposed		
			Monthly Bill at Proposed	Dollar Change	Percent Change
Portsmouth	10,000,000	\$52,925	\$65,317	\$12,392	23.4%
	20,000,000	\$105,845	\$130,585	\$24,740	23.4%
	32,000,000	\$169,349	\$208,907	\$39,558	23.4%
	40,000,000	\$211,685	\$261,121	\$49,436	23.4%
	75,000,000	\$396,905	\$489,559	\$92,654	23.3%
Navy 6"meter	5,000,000	\$32,681	\$37,134	\$4,453	13.6%
	16,000,000	\$104,426	\$118,829	\$14,403	13.8%
	38,000,000	\$247,722	\$282,218	\$34,496	13.9%
	50,000,000	\$325,961	\$371,340	\$45,379	13.9%

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Customer Class	Monthly Consumption (gallons)	Annual Bill at Current Rates	Proposed FY 2020			Proposed FY 2022		
			Annual Bill at Proposed Rates	\$ Increase from Current Rates	% Increase from Current Rates	Annual Bill at Proposed Rates	\$ Increase from FY 2020 Rates	% Increase from FY 2020 Rates
Residential 5/8" meter								
	1,000	\$ 180.48	\$ 187.44	\$ 6.96	3.9%	\$ 201.12	\$ 13.68	7.3%
	2,000	\$ 300.72	\$ 312.12	\$ 11.40	3.8%	\$ 335.04	\$ 22.92	7.3%
	4,000	\$ 541.20	\$ 561.48	\$ 20.28	3.7%	\$ 602.88	\$ 41.40	7.4%
Avg. Monthly Use	5,000	\$ 661.44	\$ 686.16	\$ 24.72	3.7%	\$ 736.80	\$ 50.64	7.4%
	7,500	\$ 962.04	\$ 997.86	\$ 35.82	3.7%	\$ 1,071.60	\$ 73.74	7.4%
	10,000	\$ 1,262.64	\$ 1,309.56	\$ 46.92	3.7%	\$ 1,406.40	\$ 96.84	7.4%
	15,000	\$ 1,863.84	\$ 1,932.96	\$ 69.12	3.7%	\$ 2,076.00	\$ 143.04	7.4%
	20,000	\$ 2,465.04	\$ 2,556.36	\$ 91.32	3.7%	\$ 2,745.60	\$ 189.24	7.4%
	25,000	\$ 3,066.24	\$ 3,179.76	\$ 113.52	3.7%	\$ 3,415.20	\$ 235.44	7.4%
	30,000	\$ 3,667.44	\$ 3,803.16	\$ 135.72	3.7%	\$ 4,084.80	\$ 281.64	7.4%

Customer Class	Monthly Consumption (gallons)	Annual Bill at Current Rates	Proposed FY 2020			Proposed FY 2022		
			Annual Bill at Proposed Rates	\$ Increase from Current Rates	% Increase from Current Rates	Annual Bill at Proposed Rates	\$ Increase from FY 2020 Rates	% Increase from FY 2020 Rates
Non-Residential 5/8" meter								
	2,000	\$329.52	\$322.20	-\$7.32	-2.2%	\$346.08	\$23.88	7.4%
	5,000	\$733.44	\$711.36	-\$22.08	-3.0%	\$764.40	\$53.04	7.5%
	9,000	\$1,272.00	\$1,230.24	-\$41.76	-3.3%	\$1,322.16	\$91.92	7.5%
Avg. Monthly Use	25,000	\$3,426.24	\$3,305.76	-\$120.48	-3.5%	\$3,553.20	\$247.44	7.5%
	30,000	\$4,099.44	\$3,954.36	-\$145.08	-3.5%	\$4,250.40	\$296.04	7.5%
	40,000	\$5,445.84	\$5,251.56	-\$194.28	-3.6%	\$5,644.80	\$393.24	7.5%
	50,000	\$6,792.24	\$6,548.76	-\$243.48	-3.6%	\$7,039.20	\$490.44	7.5%
	75,000	\$10,158.24	\$9,791.76	-\$366.48	-3.6%	\$10,525.20	\$733.44	7.5%
	100,000	\$13,524.24	\$13,034.76	-\$489.48	-3.6%	\$14,011.20	\$976.44	7.5%

Customer Class	Monthly Consumption (gallons)	Monthly Bill at Current Rates	Proposed FY 2020			Proposed FY 2022		
			Monthly Bill at Proposed Rates	\$ Increase from Current Rates	% Increase from Current Rates	Monthly Bill at Proposed Rates	\$ Increase from FY 2022 Rates	% Increase from FY 2022 Rates
Portsmouth								
	10,000,000	\$52,925.02	\$65,317.38	\$12,392.36	23.4%	\$69,930.57	\$4,613.19	7.1%
	20,000,000	\$105,845.02	\$130,585.38	\$24,740.36	23.4%	\$139,859.57	\$9,274.19	7.1%
Avg. Monthly Bill	32,000,000	\$169,349.02	\$208,906.98	\$39,557.96	23.4%	\$223,774.37	\$14,867.39	7.1%
	40,000,000	\$211,685.02	\$261,121.38	\$49,436.36	23.4%	\$279,717.57	\$18,596.19	7.1%
	75,000,000	\$396,905.02	\$489,559.38	\$92,654.36	23.3%	\$524,469.07	\$34,909.69	7.1%
Navy								
	5,000,000	\$32,681.15	\$37,134.00	\$4,452.85	13.6%	\$39,868.74	\$2,734.74	7.4%
	16,000,000	\$104,425.95	\$118,828.80	\$14,402.85	13.8%	\$127,419.94	\$8,591.14	7.2%
Avg. Monthly Bill	38,000,000	\$247,722.00	\$282,218.40	\$34,496.40	13.9%	\$302,522.34	\$20,303.94	7.2%
	50,000,000	\$325,961.47	\$371,340.00	\$45,378.53	13.9%	\$398,032.74	\$26,692.74	7.2%

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Rhode Island Public Utilities Commission
Docket 4933
FY 2020 Rate Filing
HJS Schedule A-4 Joint Settlement Revised
Revenue Proof

	Annual Revenue		
	Existing Rates	Proposed FY 2020 Rates	Proposed FY 2022 Rates
REVENUES			
Water Rates			
Base Charge (Billing Charge)	\$ 1,026,420	\$ 1,065,597	\$ 1,144,103
Volume Charge			
Residential	6,257,490	6,488,555	6,969,420
Non-Residential	4,995,144	4,812,612	5,173,224
Navy	1,231,439	1,402,923	1,503,493
Portsmouth Water & Fire District	1,995,084	2,460,604	2,636,323
Fire Protection			
Public	983,877	1,184,233	1,286,349
Private	416,926	489,732	532,943
Total Rate Revenues	\$ 16,906,380	\$ 17,904,256	\$ 19,245,855
Other Operating Revenues			
Sundry charges	\$ 133,000	133,000	133,000
WPC cost share on customer service	\$ 351,482	351,482	351,482
Middletown cost share on customer service	\$ 178,782	178,782	178,782
Rental of Property	\$ 90,000	90,000	90,000
Total Other Operating Revenues	\$ 753,264	753,264	753,264
Total Operating Revenues	\$ 17,659,644	\$ 18,657,520	\$ 19,999,119
Add: Non-Operating Revenues			
Water Penalty	50,000	50,000	50,000
Miscellaneous*	11,300	11,300	11,300
Investment Interest Income	20,000	20,000	20,000
Water Quality Protection Fees	21,000	21,000	21,000
Total Non Operating Revenues	\$ 102,300	\$ 102,300	\$ 102,300
Total Revenues	\$ 17,761,944	\$ 18,759,820	\$ 20,101,419
COSTS			
Departmental O&M	\$ (10,104,634)	(10,104,634)	(10,104,634)
Capital Costs			
Contribution to Capital Spending Acct.	(2,500,000)	(2,500,000)	(2,500,000)
Contribution to Debt Service Acct.	(6,000,000)	(\$6,000,000)	\$ (7,337,411)
Total Capital Costs	\$ (8,500,000)	(8,500,000)	(9,837,411)
Operating Revenue Allowance	(151,570)	(151,570)	(151,570)
Total Costs	\$ (18,756,203)	\$ (18,756,203)	\$ (20,093,614)
Revenue Surplus (Deficit)	\$ (994,259)	\$ 3,617	\$ 7,805

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Rhode Island Public Utilities Commission
 Docket 4933
 FY 2020 Rate Filing
 HJS Schedule A-5A Joint Settlement Revised
 Proposed Rates With Gradualism

		Docket 4595	Cost of Service	Proposed Rates	% Change	Projected Revenues
		Rates				
Base Charge (per bill)						
Monthly						
5/8	\$	5.02	\$ 5.2289	\$ 5.23	4%	\$672,850
3/4	\$	5.27	5.4740	5.48	4%	166,636
1	\$	7.03	7.2625	7.27	3%	49,814
1.5	\$	11.33	11.6350	11.64	3%	53,497
2	\$	15.86	16.1926	16.20	2%	49,572
3	\$	41.71	42.0597	42.06	1%	30,283
4	\$	49.12	49.4132	49.42	1%	8,896
5	\$	58.99	59.2179	59.22	0%	0
6	\$	66.40	66.5714	66.58	0%	27,165
8	\$	86.15	86.1808	86.19	0%	4,137
10	\$	121.95	121.7229	121.73	0%	2,922
Portsmouth Base Charge (4")	\$	1.36	1.5532	1.56	15%	19
						1,065,790
Volume Charge (per 1,000 gallons)						
Retail						
Residential	\$	10.02	\$ 10.3920	10.40	4%	6,494,800
Non-Residential	\$	11.22	\$ 10.8148	11.22	0%	4,995,144
						\$ 11,489,944
Wholesale						
Navy	\$	6.5190	\$ 7.4308	\$ 7.5620	16%	1,428,469
Portsmouth Water & Fire District	\$	5.2920	\$ 6.5302	\$ 6.1387	16%	2,314,297
						\$ 3,742,767
Fire Protection						
Public (per hydrant)	\$	944.22	\$ 1,137.08	\$ 1,095.30	16%	\$ 1,141,303
Private (by Connection Size)						
	Connection Size	Existing Charge				
	<2	\$33.26	\$ 36.24	\$ 38.59	16%	
	2	6.19	\$139.26	\$ 151.73	16%	-
	4	38.32	\$468.22	\$ 534.27	16%	42,908
	6	111.31	\$1,055.81	\$ 1,239.43	16%	290,263
	8	237.21	\$2,069.28	\$ 2,455.68	16%	129,620
	10	426.58	\$3,593.75	\$ 4,285.17	16%	20,844
	12	689.04	\$5,706.61	\$ 6,820.78	16%	-
						\$ 483,635
Total Projected Rate Revenues						\$ 17,923,439

Docket 4933

Rhode Island Public Utilities Commission
 Docket 4933
 FY 2020 Rate Filing
 HJS Schedule A-5B Joint Settlement Revised
 Multi-Year Rate Plan With Gradualism

Rates and Charges	Current Rates	Rate Year		Future Year	
		Proposed FY 2020	% Increase	Proposed FY 2022	% Increase
Billing Charge (per bill)					
5/8	\$ 5.02	\$ 5.23	4%	\$ 5.60	7%
3/4	\$ 5.27	\$ 5.48	4%	\$ 5.86	7%
1	\$ 7.03	\$ 7.27	3%	\$ 7.82	8%
1.5	\$ 11.33	\$ 11.64	3%	\$ 12.60	8%
2	\$ 15.86	\$ 16.20	2%	\$ 17.58	9%
3	\$ 41.71	\$ 42.06	1%	\$ 45.90	9%
4	\$ 49.12	\$ 49.42	1%	\$ 53.95	9%
5	\$ 58.99	\$ 59.22	0%	\$ 64.69	9%
6	\$ 66.40	\$ 66.58	0%	\$ 72.74	9%
8	\$ 86.15	\$ 86.19	0%	\$ 94.22	9%
10	\$ 121.95	\$ 121.73	0%	\$ 133.15	9%
Portsmouth Base Charge (4")	\$ 1.36	\$ 1.56	15%	\$ 1.57	1%
Commodity Charge (per 1,000 gallons)					
Retail					
Residential	\$ 10.02	\$ 10.40	4%	\$ 11.16	7%
Non-Residential	\$ 11.22	\$ 11.22	0%	\$ 11.62	4%
Wholesale					
Navy	\$ 6.5190	\$ 7.5620	16%	\$ 7.9592	5%
Portsmouth Water & Fire District	\$ 5.2920	\$ 6.1387	16%	\$ 6.9929	14%
Fire Protection					
Public (per hydrant)	\$ 944.22	\$ 1,095.30	16%	\$ 1,234.50	13%
Private (Connection Size)					
Less than 2"	\$33.26	\$ 38.59	16%	\$ 39.48	2%
2"	\$139.26	\$ 161.55	16%	\$ 165.29	2%
4"	\$468.22	\$ 543.14	16%	\$ 581.53	7%
6"	\$1,055.81	\$ 1,224.74	16%	\$ 1,348.13	10%
8"	\$2,069.28	\$ 2,400.37	16%	\$ 2,670.35	11%
10"	\$3,593.75	\$ 4,168.75	16%	\$ 4,659.25	12%
12"	\$5,706.61	\$ 6,619.67	16%	\$ 7,415.79	12%

Docket 4933

Customer Class	Proposed 5/8 Inch Meter				Proposed 3/4 Inch Meter				Proposed 1 Inch Meter				Proposed 1.5 Inch Meter				Proposed 2 Inch Meter				Proposed 3 Inch Meter				
	Consumption per Bill (gallons)	Annual Bill at Current Rates	Annual Bill at Proposed Rates	Dollar Change	Percent Change	Annual Bill at Current Rates	Annual Bill at Proposed Rates	Dollar Change	Percent Change	Annual Bill at Current Rates	Annual Bill at Proposed Rates	Dollar Change	Percent Change	Annual Bill at Current Rates	Annual Bill at Proposed Rates	Dollar Change	Percent Change	Annual Bill at Current Rates	Annual Bill at Proposed Rates	Dollar Change	Percent Change	Annual Bill at Current Rates	Annual Bill at Proposed Rates	Dollar Change	Percent Change
Residential (Monthly)	1,000	\$180.48	\$187.56	\$7.08	3.9%	\$183.48	\$190.56	\$7.08	3.9%	\$204.60	\$212.04	\$7.44	4.1%	\$256.20	\$264.48	\$8.28	4.6%	\$310.56	\$319.20	\$8.64	4.8%	\$620.76	\$629.52	\$8.76	4.9%
	2,000	\$300.72	\$312.36	\$11.64	3.9%	\$303.72	\$315.36	\$11.64	3.9%	\$324.84	\$336.84	\$12.00	4.0%	\$376.44	\$389.28	\$12.84	4.3%	\$430.80	\$444.00	\$13.20	4.4%	\$741.00	\$754.32	\$13.32	4.4%
	4,000	\$541.20	\$561.96	\$20.76	3.8%	\$544.20	\$564.96	\$20.76	3.8%	\$565.32	\$586.44	\$21.12	3.9%	\$616.92	\$638.88	\$21.96	4.1%	\$671.28	\$693.60	\$22.32	4.1%	\$981.48	\$1,003.92	\$22.44	4.1%
	5,000	\$661.44	\$686.76	\$25.32	3.8%	\$664.44	\$689.76	\$25.32	3.8%	\$685.56	\$711.24	\$25.68	3.9%	\$737.16	\$763.68	\$26.52	4.0%	\$791.52	\$818.40	\$26.88	4.1%	\$1,101.72	\$1,128.72	\$27.00	4.1%
	7,500	\$962.04	\$998.76	\$36.72	3.8%	\$965.04	\$1,001.76	\$36.72	3.8%	\$986.16	\$1,023.24	\$37.08	3.9%	\$1,037.76	\$1,075.68	\$37.92	3.9%	\$1,092.12	\$1,130.40	\$38.28	4.0%	\$1,402.32	\$1,440.72	\$38.40	4.0%
	10,000	\$1,262.64	\$1,310.76	\$48.12	3.8%	\$1,265.64	\$1,313.76	\$48.12	3.8%	\$1,286.76	\$1,335.24	\$48.48	3.8%	\$1,338.36	\$1,387.68	\$49.32	3.9%	\$1,392.72	\$1,442.40	\$49.68	3.9%	\$1,702.92	\$1,752.72	\$49.80	3.9%
	15,000	\$1,863.84	\$1,934.76	\$70.92	3.8%	\$1,866.84	\$1,937.76	\$70.92	3.8%	\$1,887.96	\$1,959.24	\$71.28	3.8%	\$1,939.56	\$2,011.68	\$72.12	3.9%	\$1,993.92	\$2,066.40	\$72.48	3.9%	\$2,304.12	\$2,376.72	\$72.60	3.9%
	20,000	\$2,465.04	\$2,558.76	\$93.72	3.8%	\$2,468.04	\$2,561.76	\$93.72	3.8%	\$2,489.16	\$2,583.24	\$94.08	3.8%	\$2,540.76	\$2,635.68	\$94.92	3.9%	\$2,595.12	\$2,690.40	\$95.28	3.9%	\$2,905.32	\$3,000.72	\$95.40	3.9%
	25,000	\$3,066.24	\$3,182.76	\$116.52	3.8%	\$3,069.24	\$3,185.76	\$116.52	3.8%	\$3,090.36	\$3,207.24	\$116.88	3.8%	\$3,141.96	\$3,259.68	\$117.72	3.8%	\$3,196.32	\$3,314.40	\$118.08	3.9%	\$3,506.52	\$3,624.72	\$118.20	3.9%
	30,000	\$3,667.44	\$3,806.76	\$139.32	3.8%	\$3,670.44	\$3,809.76	\$139.32	3.8%	\$3,691.56	\$3,831.24	\$139.68	3.8%	\$3,743.16	\$3,883.68	\$140.52	3.8%	\$3,797.52	\$3,938.40	\$140.88	3.8%	\$4,107.72	\$4,248.72	\$141.00	3.8%

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Customer Class	Proposed 5/8 Inch Meter				Proposed 3/4 Inch Meter				Proposed 1 Inch Meter				Proposed 1.5 Inch Meter				Proposed 2 Inch Meter				Proposed 3 Inch Meter				
	Monthly Consumption (gallons)	Annual Bill at Current Rates	Annual Bill at Proposed Rates	Dollar Change	Percent Change	Annual Bill at Current Rates	Annual Bill at Proposed Rates	Dollar Change	Percent Change	Annual Bill at Current Rates	Annual Bill at Proposed Rates	Dollar Change	Percent Change	Annual Bill at Current Rates	Annual Bill at Proposed Rates	Dollar Change	Percent Change	Annual Bill at Current Rates	Annual Bill at Proposed Rates	Dollar Change	Percent Change	Annual Bill at Current Rates	Annual Bill at Proposed Rates	Dollar Change	Percent Change
Non-Residential (Monthly)	2,000	\$329.52	\$332.04	\$2.52	0.8%	\$332.52	\$335.04	\$2.52	0.8%	\$353.64	\$356.52	\$2.88	0.9%	\$405.24	\$408.96	\$3.72	1.1%	\$459.60	\$463.68	\$4.08	1.2%	\$741.00	\$754.32	\$13.32	4.0%
	5,000	\$733.44	\$735.96	\$2.52	0.3%	\$736.44	\$738.96	\$2.52	0.3%	\$757.56	\$760.44	\$2.88	0.4%	\$809.16	\$812.88	\$3.72	0.5%	\$863.52	\$867.60	\$4.08	0.6%	\$1,101.72	\$1,128.72	\$27.00	3.7%
	9,000	\$1,272.00	\$1,274.52	\$2.52	0.2%	\$1,275.00	\$1,277.52	\$2.52	0.2%	\$1,296.12	\$1,299.00	\$2.88	0.2%	\$1,347.72	\$1,351.44	\$3.72	0.3%	\$1,402.08	\$1,406.16	\$4.08	0.3%	\$1,582.68	\$1,627.92	\$45.24	3.6%
	25,000	\$3,426.24	\$3,428.76	\$2.52	0.1%	\$3,429.24	\$3,431.76	\$2.52	0.1%	\$3,450.36	\$3,453.24	\$2.88	0.1%	\$3,501.96	\$3,505.68	\$3.72	0.1%	\$3,556.32	\$3,560.40	\$4.08	0.1%	\$3,506.52	\$3,624.72	\$118.20	3.4%
	30,000	\$4,099.44	\$4,101.96	\$2.52	0.1%	\$4,102.44	\$4,104.96	\$2.52	0.1%	\$4,123.56	\$4,126.44	\$2.88	0.1%	\$4,175.16	\$4,178.88	\$3.72	0.1%	\$4,229.52	\$4,233.60	\$4.08	0.1%	\$4,107.72	\$4,248.72	\$141.00	3.4%
	40,000	\$5,445.84	\$5,448.36	\$2.52	0.0%	\$5,448.84	\$5,451.36	\$2.52	0.0%	\$5,469.96	\$5,472.84	\$2.88	0.1%	\$5,521.56	\$5,525.28	\$3.72	0.1%	\$5,575.92	\$5,580.00	\$4.08	0.1%	\$5,310.12	\$5,496.72	\$186.60	3.4%
	50,000	\$6,792.24	\$6,794.76	\$2.52	0.0%	\$6,795.24	\$6,797.76	\$2.52	0.0%	\$6,816.36	\$6,819.24	\$2.88	0.0%	\$6,867.96	\$6,871.68	\$3.72	0.1%	\$6,922.32	\$6,926.40	\$4.08	0.1%	\$6,512.52	\$6,744.72	\$232.20	3.4%
	75,000	\$10,158.24	\$10,160.76	\$2.52	0.0%	\$10,161.24	\$10,163.76	\$2.52	0.0%	\$10,182.36	\$10,185.24	\$2.88	0.0%	\$10,233.96	\$10,237.68	\$3.72	0.0%	\$10,288.32	\$10,292.40	\$4.08	0.0%	\$9,518.52	\$9,864.72	\$346.20	3.4%
	100,000	\$13,524.24	\$13,526.76	\$2.52	0.0%	\$13,527.24	\$13,529.76	\$2.52	0.0%	\$13,548.36	\$13,551.24	\$2.88	0.0%	\$13,599.96	\$13,603.68	\$3.72	0.0%	\$13,654.32	\$13,658.40	\$4.08	0.0%	\$12,524.52	\$12,984.72	\$460.20	3.4%

Customer Class	Proposed 5/8 Inch Meter				Proposed 3/4 Inch Meter				Proposed 1 Inch Meter				Proposed 1.5 Inch Meter				Proposed 2 Inch Meter				Proposed 3 Inch Meter				
	Annual Consumption (gallons)	Annual Bill at Current Rates	Annual Bill at Proposed Rates	Dollar Change	Percent Change	Annual Bill at Current Rates	Annual Bill at Proposed Rates	Dollar Change	Percent Change	Annual Bill at Current Rates	Annual Bill at Proposed Rates	Dollar Change	Percent Change	Annual Bill at Current Rates	Annual Bill at Proposed Rates	Dollar Change	Percent Change	Annual Bill at Current Rates	Annual Bill at Proposed Rates	Dollar Change	Percent Change	Annual Bill at Current Rates	Annual Bill at Proposed Rates	Dollar Change	Percent Change
Non-Residential with 6" Fire Connection(Monthly Account)	9,000	\$161.22	\$163.74	\$2.52	1.6%	\$160.53	\$166.74	\$6.21	3.9%	\$181.65	\$188.22	\$6.57	4.1%	\$233.25	\$240.66	\$7.41	4.6%	\$287.61	\$295.38	\$7.77	4.8%	\$597.81	\$605.70	\$7.89	4.9%
		\$1,055.81	\$1,224.74	\$168.93	16.0%	\$1,055.81	\$1,224.74	\$168.93	16.0%	\$1,055.81	\$1,224.74	\$168.93	16.0%	\$1,055.81	\$1,224.74	\$168.93	16.0%	\$1,055.81	\$1,224.74	\$168.93	16.0%	\$1,055.81	\$1,224.74	\$168.93	16.0%
		\$1,217.03	\$1,388.48	\$171.45	14.1%	\$1,216.34	\$1,391.48	\$175.14	14.4%	\$1,237.46	\$1,412.96	\$175.50	14.4%	\$1,289.06	\$1,465.40	\$176.34	14.5%	\$1,343.42	\$1,520.12	\$176.70	14.5%	\$1,653.62	\$1,830.44	\$176.82	14.5%
Total Annual Charges																									

Customer Class	Monthly Consumption (gallons)	Monthly Bill at Current Rates	Proposed		
			Monthly Bill at Proposed	Dollar Change	Percent Change
Portsmouth	10,000,000	\$52,925	\$61,437	\$8,512	16.1%
	20,000,000	\$105,845	\$122,824	\$16,979	16.0%
	32,000,000	\$169,349	\$196,488	\$27,139	16.0%
	40,000,000	\$211,685	\$245,598	\$33,913	16.0%
	75,000,000	\$396,905	\$460,453	\$63,548	16.0%
Navy 6"meter	5,000,000	\$32,681	\$37,810	\$5,129	15.7%
	16,000,000	\$104,426	\$120,993	\$16,567	15.9%
	38,000,000	\$247,722	\$287,358	\$39,636	16.0%
	50,000,000	\$325,961	\$378,102	\$52,141	16.0%

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Customer Class	Monthly Consumption (gallons)	Annual Bill at Current Rates	Proposed FY 2020			Proposed FY 2022		
			Annual Bill at Proposed Rates	\$ Increase from Current Rates	% Increase from Current Rates	Annual Bill at Proposed Rates	\$ Increase from FY 2020 Rates	% Increase from FY 2020 Rates
Residential 5/8" meter								
Avg. Monthly Use	1,000	\$ 180.48	\$ 187.56	\$ 7.08	3.9%	\$ 201.12	\$ 13.56	7.2%
	2,000	\$ 300.72	\$ 312.36	\$ 11.64	3.9%	\$ 335.04	\$ 22.68	7.3%
	4,000	\$ 541.20	\$ 561.96	\$ 20.76	3.8%	\$ 602.88	\$ 40.92	7.3%
	5,000	\$ 661.44	\$ 686.76	\$ 25.32	3.8%	\$ 736.80	\$ 50.04	7.3%
	7,500	\$ 962.04	\$ 998.76	\$ 36.72	3.8%	\$ 1,071.60	\$ 72.84	7.3%
	10,000	\$ 1,262.64	\$ 1,310.76	\$ 48.12	3.8%	\$ 1,406.40	\$ 95.64	7.3%
	15,000	\$ 1,863.84	\$ 1,934.76	\$ 70.92	3.8%	\$ 2,076.00	\$ 141.24	7.3%
	20,000	\$ 2,465.04	\$ 2,558.76	\$ 93.72	3.8%	\$ 2,745.60	\$ 186.84	7.3%
	25,000	\$ 3,066.24	\$ 3,182.76	\$ 116.52	3.8%	\$ 3,415.20	\$ 232.44	7.3%
	30,000	\$ 3,667.44	\$ 3,806.76	\$ 139.32	3.8%	\$ 4,084.80	\$ 278.04	7.3%

Customer Class	Monthly Consumption (gallons)	Annual Bill at Current Rates	Proposed FY 2020			Proposed FY 2022		
			Annual Bill at Proposed Rates	\$ Increase from Current Rates	% Increase from Current Rates	Annual Bill at Proposed Rates	\$ Increase from FY 2020 Rates	% Increase from FY 2020 Rates
Non-Residential 5/8" meter								
Avg. Monthly Use	2,000	\$329.52	\$332.04	\$2.52	0.8%	\$346.08	\$14.04	4.2%
	5,000	\$733.44	\$735.96	\$2.52	0.3%	\$764.40	\$28.44	3.9%
	9,000	\$1,272.00	\$1,274.52	\$2.52	0.2%	\$1,322.16	\$47.64	3.7%
	25,000	\$3,426.24	\$3,428.76	\$2.52	0.1%	\$3,553.20	\$124.44	3.6%
	30,000	\$4,099.44	\$4,101.96	\$2.52	0.1%	\$4,250.40	\$148.44	3.6%
	40,000	\$5,445.84	\$5,448.36	\$2.52	0.0%	\$5,644.80	\$196.44	3.6%
	50,000	\$6,792.24	\$6,794.76	\$2.52	0.0%	\$7,039.20	\$244.44	3.6%
	75,000	\$10,158.24	\$10,160.76	\$2.52	0.0%	\$10,525.20	\$364.44	3.6%
	100,000	\$13,524.24	\$13,526.76	\$2.52	0.0%	\$14,011.20	\$484.44	3.6%

Customer Class	Monthly Consumption (gallons)	Monthly Bill at Current Rates	Proposed FY 2020			Proposed FY 2022		
			Monthly Bill at Proposed Rates	\$ Increase from Current Rates	% Increase from Current Rates	Monthly Bill at Proposed Rates	\$ Increase from FY 2020 Rates	% Increase from FY 2020 Rates
Portsmouth								
Avg. Monthly Bill	10,000,000	\$52,925.02	\$61,436.62	\$8,511.60	16.1%	\$69,930.57	\$8,493.95	13.8%
	20,000,000	\$105,845.02	\$122,823.82	\$16,978.80	16.0%	\$139,859.57	\$17,035.75	13.9%
	32,000,000	\$169,349.02	\$196,488.46	\$27,139.44	16.0%	\$223,774.37	\$27,285.91	13.9%
	40,000,000	\$211,685.02	\$245,598.22	\$33,913.20	16.0%	\$279,717.57	\$34,119.35	13.9%
	75,000,000	\$396,905.02	\$460,453.42	\$63,548.40	16.0%	\$524,469.07	\$64,015.65	13.9%
Navy								
Avg. Monthly Bill	5,000,000	\$32,681.15	\$37,134.00	\$4,452.85	13.6%	\$39,868.74	\$2,734.74	7.4%
	16,000,000	\$104,425.95	\$118,828.80	\$14,402.85	13.8%	\$127,419.94	\$8,591.14	7.2%
	38,000,000	\$247,722.00	\$282,218.40	\$34,496.40	13.9%	\$302,522.34	\$20,303.94	7.2%
	50,000,000	\$325,961.47	\$371,340.00	\$45,378.53	13.9%	\$398,032.74	\$26,692.74	7.2%

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Operation & Maintenance Costs

Administration

Salaries, Wages, & Benefits

Rate Year	Allocation Notes	Base	Max Day	Max Hour	Metering	Billing	Services	Fire	Total % Allocated
	Salaries & Wages	\$ 297,917	61%	17%	8%	6%	2%	1%	100%
	AFSCME retro	\$ -	61%	17%	8%	6%	2%	1%	100%
	NEA retro	\$ -	61%	17%	8%	6%	2%	1%	100%
	AFSCME benefits on retro pay	\$ -	61%	17%	8%	6%	2%	1%	100%
	NEA benefits on retro pay	\$ -	61%	17%	8%	6%	2%	1%	100%
	Standby Salaries	\$ 18,720	61%	17%	8%	6%	2%	1%	100%
	Accrued Benefits Buyout	\$ -	58%	21%	8%	6%	5%	2%	100%
	Employee Benefits	\$ 135,766	61%	17%	8%	6%	2%	1%	100%
	Retiree Insurance Coverage	\$ 384,011	58%	21%	8%	6%	5%	2%	100%
	Workers Compensation	\$ 115,426	58%	21%	8%	6%	5%	2%	100%
	Annual Leave Buyback	\$ 2,500	61%	17%	8%	6%	2%	1%	100%
	Subtotal	954,340							

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	Rate Year	Allocation Notes	Base	Max Day	Max Hour	Metering	Billing	Services	Fire	Total % Allocated
All Other Administrative Costs										
Advertisement	4,000	Non Admin less electricity & chemicals	61%	17%	8%	6%	6%	2%	1%	100%
Membership Dues & Subscription	5,055	Non Admin less electricity & chemicals	61%	17%	8%	6%	6%	2%	1%	100%
Conferences & Training	2,446	Non Admin less electricity & chemicals	61%	17%	8%	6%	6%	2%	1%	100%
Tuition Reimbursement	2,000	Non Admin less electricity & chemicals	61%	17%	8%	6%	6%	2%	1%	100%
Consultant Fees	93,622	Non Admin less electricity & chemicals	61%	17%	8%	6%	6%	2%	1%	100%
Postage	1,000	Non Admin less electricity & chemicals	61%	17%	8%	6%	6%	2%	1%	100%
Fire & Liability Insurance	36,500	Non Admin less electricity & chemicals	61%	17%	8%	6%	6%	2%	1%	100%
Telephone & Communication	10,600	Non Admin less electricity & chemicals	61%	17%	8%	6%	6%	2%	1%	100%
Water	1,800	Non Admin less electricity & chemicals	61%	17%	8%	6%	6%	2%	1%	100%
Electricity	7,401	Non Admin less electricity & chemicals	61%	17%	8%	6%	6%	2%	1%	100%
Natural Gas	4,570	Non Admin less electricity & chemicals	61%	17%	8%	6%	6%	2%	1%	100%
Property Taxes	547,231	Non Admin less electricity & chemicals	61%	17%	8%	6%	6%	2%	1%	100%
Legal & Administrative	-									
Audit Fees	4,944	Total Non-Admin Costs Before Offsets	65%	19%	7%	4%	2%	2%	0%	100%
OPEB Contribution	31,488	Total Non-Admin Costs Before Offsets	65%	19%	7%	4%	2%	2%	0%	100%
City Council	3,943	Total Non-Admin Costs Before Offsets	65%	19%	7%	4%	2%	2%	0%	100%
City Clerk	4,537	Total Non-Admin Costs Before Offsets	65%	19%	7%	4%	2%	2%	0%	100%
City Manager	76,621	Total Non-Admin Costs Before Offsets	65%	19%	7%	4%	2%	2%	0%	100%
Human Resources	6,193	Non-Administrative Wages & Salaries	58%	21%	8%	6%	5%	2%	0%	100%
City Solicitor	27,329	Total Non-Admin Costs Before Offsets	65%	19%	7%	4%	2%	2%	0%	100%
Finance Administrative 50%	26,212	Total Non-Admin Costs Before Offsets	65%	19%	7%	4%	2%	2%	0%	100%
Finance Administrative 5%	3,363	Total Non-Admin Costs Before Offsets	65%	19%	7%	4%	2%	2%	0%	100%
Finance Admin 10% Inv/Deb	11,809	Total Non-Admin Costs Before Offsets	65%	19%	7%	4%	2%	2%	0%	100%
Purchasing	22,404	Total Non-Admin Costs Before Offsets	65%	19%	7%	4%	2%	2%	0%	100%
Assessment	-	Total Non-Admin Costs Before Offsets	65%	19%	7%	4%	2%	2%	0%	100%
Collections	24,828	100% Billing	0%	0%	0%	0%	100%	0%	0%	100%
Accounting - Wires - 5%	9,149	Total Non-Admin Costs Before Offsets	65%	19%	7%	4%	2%	2%	0%	100%
Accounting	65,704	Non-Administrative Wages & Salaries	58%	21%	8%	6%	5%	2%	0%	100%
Facilities Maintenance	-	Non-Administrative Wages & Salaries	58%	21%	8%	6%	5%	2%	0%	100%
Data Processing	343,175	Non Admin less electricity & chemicals	61%	17%	8%	6%	6%	2%	1%	100%
Mileage Allowance	2,000	Non Admin less electricity & chemicals	61%	17%	8%	6%	6%	2%	1%	100%
Gasoline & Vehicle Allowance	5,382	Non Admin less electricity & chemicals	61%	17%	8%	6%	6%	2%	1%	100%
Repairs & Maintenance	1,000	Non Admin less electricity & chemicals	61%	17%	8%	6%	6%	2%	1%	100%
Regulatory Expense	500	Non Admin less electricity & chemicals	61%	17%	8%	6%	6%	2%	1%	100%
Regulatory Assessment	116,158	Non Admin less electricity & chemicals	61%	17%	8%	6%	6%	2%	1%	100%
Office Supplies	11,845	Non Admin less electricity & chemicals	61%	17%	8%	6%	6%	2%	1%	100%
Self Insurance	500	Non Admin less electricity & chemicals	61%	17%	8%	6%	6%	2%	1%	100%
Unemployment Claims	-	Non Admin less electricity & chemicals	61%	17%	8%	6%	6%	2%	1%	100%
Subtotal	1,515,308									

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Rate Year		Allocation Notes	Base	Max Day	Max Hour	Metering	Billing	Services	Fire	Total % Allocated
Customer Service										
Salaries & Wages	340,135	Customer Service Salaries and Wages	0%	0%	0%	48%	40%	12%	0%	100%
Benefits	236,012	Customer Service Salaries and Wages	0%	0%	0%	48%	40%	12%	0%	100%
Copying & binding	600	100% billing (based on budget analysis)					100%			100%
Conferences & Training	1,835	100% billing (based on budget analysis)					100%			100%
Support Services	45,915	100% billing (software support & printing/mailing)					100%			100%
Postage	64,200	100% billing (based on budget analysis)					100%			100%
Bank Fees (lock box)	14,400	100% billing (based on budget analysis)					100%			100%
Gasoline & Vehicle Allowance	32,586	Customer Service Salaries and Wages	0%	0%	0%	48%	40%	12%	0%	100%
Repairs & Maintenance	35,000	100% metering (meter repairs)				100%				100%
Meter Maintenance	10,000	100% metering (based on budget analysis)				100%				100%
Operating Supplies	4,656	100% metering (based on budget analysis)				100%				100%
Uniforms & protective Gear	2,450	100% metering (based on budget analysis)				100%				100%
Customer Service Supplies	3,000	100% billing (based on budget analysis)					100%			100%
Subtotal	790,789									
Source of Supply - Island										
Salaries & Wages	\$ 312,654	Average Day Demand Patterns	100%	0%	0%	0%	0%	0%	0%	100%
Overtime	\$ 20,657	Average Day Demand Patterns	100%	0%	0%	0%	0%	0%	0%	100%
Temp Salaries	\$ 6,917	Average Day Demand Patterns	100%	0%	0%	0%	0%	0%	0%	100%
Injury Pay	\$ -	Average Day Demand Patterns	100%	0%	0%	0%	0%	0%	0%	100%
Employee Benefits	\$ 212,596	Average Day Demand Patterns	100%	0%	0%	0%	0%	0%	0%	100%
Annual Leave Buyback	\$ 1,700	Average Day Demand Patterns	100%	0%	0%	0%	0%	0%	0%	100%
Electricity	\$ 30,447	Average Day Demand Patterns	100%	0%	0%	0%	0%	0%	0%	100%
Gas/Vehicle Maintenance	\$ 60,043	Average Day Demand Patterns	100%	0%	0%	0%	0%	0%	0%	100%
Repairs & Maintenance	\$ 14,000	Average Day Demand Patterns	100%	0%	0%	0%	0%	0%	0%	100%
Reservoir Maintenance	\$ 25,000	Average Day Demand Patterns	100%	0%	0%	0%	0%	0%	0%	100%
Operating Supplies	\$ 6,240	Average Day Demand Patterns	100%	0%	0%	0%	0%	0%	0%	100%
Uniforms & protective Gear	\$ 2,000	Average Day Demand Patterns	100%	0%	0%	0%	0%	0%	0%	100%
Chemicals	\$ 94,800	Average Day Demand Patterns	100%	0%	0%	0%	0%	0%	0%	100%
Subtotal	\$ 787,054									
Source of Supply - Mainland										
Overtime	\$ 8,922	Average Day Demand Patterns	100%	0%	0%	0%	0%	0%	0%	100%
Temp Salaries	\$ 19,765	Average Day Demand Patterns	100%	0%	0%	0%	0%	0%	0%	100%
Permanent Part time	\$ 12,900	Average Day Demand Patterns	100%	0%	0%	0%	0%	0%	0%	100%
Employee Benefits	\$ 3,358	Average Day Demand Patterns	100%	0%	0%	0%	0%	0%	0%	100%
Electricity	\$ 138,061	Average Day Demand Patterns	100%	0%	0%	0%	0%	0%	0%	100%
Repairs & Maintenance	\$ 17,000	Average Day Demand Patterns	100%	0%	0%	0%	0%	0%	0%	100%
Reservoir Maintenance	\$ 12,000	Average Day Demand Patterns	100%	0%	0%	0%	0%	0%	0%	100%
Operating Supplies	\$ 466	Average Day Demand Patterns	100%	0%	0%	0%	0%	0%	0%	100%
Subtotal	\$ 212,472									

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	Rate Year	Allocation Notes	Base	Max Day	Max Hour	Metering	Billing	Services	Fire	Total % Allocated
Station One (Excludes chemicals)										
Salaries & Wages	\$ 513,045	Maximum Day Demand Patterns	65%	35%	0%	0%	0%	0%	0%	100%
Overtime	\$ 86,431	Maximum Day Demand Patterns	65%	35%	0%	0%	0%	0%	0%	100%
Holiday Pay	\$ 21,781	Maximum Day Demand Patterns	65%	35%	0%	0%	0%	0%	0%	100%
Lead Plant Operator Stipend	\$ 12,480	Maximum Day Demand Patterns	65%	35%	0%	0%	0%	0%	0%	100%
Employee Benefits	\$ 295,047	Maximum Day Demand Patterns	65%	35%	0%	0%	0%	0%	0%	100%
Annual Leave Buyback	\$ 11,600	Maximum Day Demand Patterns	65%	35%	0%	0%	0%	0%	0%	100%
Conferences & Training	\$ 2,752	Maximum Day Demand Patterns	65%	35%	0%	0%	0%	0%	0%	100%
Fire & Liability Insurance	\$ 64,765	Maximum Day Demand Patterns	65%	35%	0%	0%	0%	0%	0%	100%
Electricity	\$ 223,137	100% Base	100%	0%	0%	0%	0%	0%	0%	100%
Natural Gas	\$ 30,468	Maximum Day Demand Patterns	65%	35%	0%	0%	0%	0%	0%	100%
Rental of Equipment	\$ 1,000	Maximum Day Demand Patterns	65%	35%	0%	0%	0%	0%	0%	100%
Sewer Charge	\$ 124,898	100% Base	100%	0%	0%	0%	0%	0%	0%	100%
Gas/Vehicle Maintenance	\$ 10,056	Maximum Day Demand Patterns	65%	35%	0%	0%	0%	0%	0%	100%
Repairs & Maintenance	\$ 55,000	Maximum Day Demand Patterns	65%	35%	0%	0%	0%	0%	0%	100%
Operating Supplies	\$ 13,969	Maximum Day Demand Patterns	65%	35%	0%	0%	0%	0%	0%	100%
Uniforms & protective Gear	\$ 3,625	Maximum Day Demand Patterns	65%	35%	0%	0%	0%	0%	0%	100%
Station One Chemicals	\$ 431,220	100% Base	100%	0%	0%	0%	0%	0%	0%	100%
Subtotal	\$ 1,901,275									
Lawton Valley (Excludes chemicals)										
Salaries & Wages	\$531,042	Maximum Day Demand Patterns	65%	35%	0%	0%	0%	0%	0%	100%
Overtime	\$109,464	Maximum Day Demand Patterns	65%	35%	0%	0%	0%	0%	0%	100%
Holiday Pay	\$19,615	Maximum Day Demand Patterns	65%	35%	0%	0%	0%	0%	0%	100%
Lead Plant Operator Stipend	\$12,480	Maximum Day Demand Patterns	65%	35%	0%	0%	0%	0%	0%	100%
Employee Benefits	\$334,113	Maximum Day Demand Patterns	65%	35%	0%	0%	0%	0%	0%	100%
Annual Leave Buyback	\$9,500	Maximum Day Demand Patterns	65%	35%	0%	0%	0%	0%	0%	100%
Conferences & Training	\$2,520	Maximum Day Demand Patterns	65%	35%	0%	0%	0%	0%	0%	100%
Fire & Liability Insurance	\$60,325	Maximum Day Demand Patterns	65%	35%	0%	0%	0%	0%	0%	100%
Electricity	\$286,034	100% Base	100%	0%	0%	0%	0%	0%	0%	100%
Natural Gas	\$26,264	Maximum Day Demand Patterns	65%	35%	0%	0%	0%	0%	0%	100%
Rental of Equipment	\$1,000	Maximum Day Demand Patterns	65%	35%	0%	0%	0%	0%	0%	100%
Sewer Charge	\$434,711	100% Base	100%	0%	0%	0%	0%	0%	0%	100%
Gas/Vehicle Maintenance	\$6,117	Maximum Day Demand Patterns	65%	35%	0%	0%	0%	0%	0%	100%
Repairs & Maintenance	\$65,000	Maximum Day Demand Patterns	65%	35%	0%	0%	0%	0%	0%	100%
Operating Supplies	\$12,386	Maximum Day Demand Patterns	65%	35%	0%	0%	0%	0%	0%	100%
Uniforms & protective Gear	\$3,600	Maximum Day Demand Patterns	65%	35%	0%	0%	0%	0%	0%	100%
Lawton Valley Chemicals	\$468,936	100% Base	100%	0%	0%	0%	0%	0%	0%	100%
Subtotal	2,383,107									

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	Rate Year	Allocation Notes	Base	Max Day	Max Hour	Metering	Billing	Services	Fire	Total % Allocated
Laboratory										
Salaries & Wages	\$ 143,963	100% Base	100%	0%	0%	0%	0%	0%	0%	100%
Employee Benefits	\$ 86,921	100% Base	100%	0%	0%	0%	0%	0%	0%	100%
Annual Leave Buyback	\$ 4,250	100% Base	100%	0%	0%	0%	0%	0%	0%	100%
Repairs & Maintenance	\$ 6,200	100% Base	100%	0%	0%	0%	0%	0%	0%	100%
Regulatory Assessment	\$ 83,700	100% Base	100%	0%	0%	0%	0%	0%	0%	100%
Laboratory Supplies	\$ 40,000	100% Base	100%	0%	0%	0%	0%	0%	0%	100%
Subtotal	\$ 365,034									
Transmission and Distribution										
Salaries & Wages	\$ 521,449	Maximum Hour Demand Patterns	39%	21%	40%	0%	0%	0%	0%	100%
Overtime	\$ 42,094	Maximum Hour Demand Patterns	39%	21%	40%	0%	0%	0%	0%	100%
Temp Salaries	\$ 19,456	Maximum Hour Demand Patterns	39%	21%	40%	0%	0%	0%	0%	100%
Injury Pay	\$ -	Maximum Hour Demand Patterns	39%	21%	40%	0%	0%	0%	0%	100%
Employee Benefits	\$ 303,539	Maximum Hour Demand Patterns	39%	21%	40%	0%	0%	0%	0%	100%
Annual Leave Buyback	\$ 6,000	Maximum Hour Demand Patterns	39%	21%	40%	0%	0%	0%	0%	100%
Conferences & Training	\$ 2,446	Maximum Hour Demand Patterns	39%	21%	40%	0%	0%	0%	0%	100%
Contract Services	\$ 11,870	Maximum Hour Demand Patterns	39%	21%	40%	0%	0%	0%	0%	100%
Fire & Liability Insurance	\$ 10,910	Maximum Hour Demand Patterns	39%	21%	40%	0%	0%	0%	0%	100%
Electricity	\$ 22,057	Maximum Hour Demand Patterns	39%	21%	40%	0%	0%	0%	0%	100%
Heavy Equipment Rental	\$ 9,000	Maximum Hour Demand Patterns	39%	21%	40%	0%	0%	0%	0%	100%
Gas/Vehicle Maintenance	\$ 87,483	Maximum Hour Demand Patterns	39%	21%	40%	0%	0%	0%	0%	100%
Repairs & Maintenance	\$ 20,200	Maximum Hour Demand Patterns	39%	21%	40%	0%	0%	0%	0%	100%
Main Maintenance	\$ 66,000	Maximum Hour Demand Patterns	39%	21%	40%	0%	0%	0%	0%	100%
Hydrant Maintenance	\$ -	100% Fire	0%	0%	0%	0%	0%	0%	100%	100%
Service Maintenance	\$ 30,000	100% Services	0%	0%	0%	0%	0%	100%	0%	100%
Operating Supplies	\$ 7,450	Maximum Hour Demand Patterns	39%	21%	40%	0%	0%	0%	0%	100%
Uniforms & protective Gear	\$ 4,000	Maximum Hour Demand Patterns	39%	21%	40%	0%	0%	0%	0%	100%
Subtotal	\$ 1,163,954									
Fire Protection	31,300	100% Fire	0%	0%	0%	0%	0%	0%	100%	100%
Total O&M Costs	10,104,634									

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	Rate Year	Allocation Notes	Base	Max Day	Max Hour	Metering	Billing	Services	Fire	Total % Allocated
CAPITAL COSTS										
Water Supply	1,272,820	100% Base	100%	0%	0%	0%	0%	0%	0%	100%
Treatment Station 1	1,998,105	Maximum Day Demand Patterns	65%	35%	0%	0%	0%	0%	0%	100%
Treatment Lawton Valley	2,320,031	Maximum Day Demand Patterns	65%	35%	0%	0%	0%	0%	0%	100%
Treatment Both Plants	671,510	Maximum Day Demand Patterns	65%	35%	0%	0%	0%	0%	0%	100%
T&D Pumping	54,522	Maximum Hour Demand Patterns	39%	21%	40%	0%	0%	0%	0%	100%
T&D	1,622,574	Maximum Hour Demand Patterns	39%	21%	40%	0%	0%	0%	0%	100%
Fire	24,845	100% Fire	0%	0%	0%	0%	0%	0%	100%	100%
Meters	314,874	100% Meters	0%	0%	0%	100%	0%	0%	0%	100%
Services	199,365	100 % Services	0%	0%	0%	0%	0%	100%	0%	100%
Billing	21,355	100% Billing	0%	0%	0%	0%	100%	0%	0%	100%
Total Capital Costs excluding Treatment	8,500,000									
Revenue Allowance	151,570	100% base	100%							100%
Total Costs before Offsets	18,756,203									
OFFSETS										
Nonrate Revenues										
Sundry charges	133,000	Non Admin less electricity & chemicals	61%	17%	8%	6%	6%	2%	1%	100%
WPC cost share on customer ser	351,482	50/50 Split between Metering and Billing	0%	0%	0%	50%	50%	0%	0%	100%
Middletown cost share on custo	178,782	50/50 Split between Metering and Billing	0%	0%	0%	50%	50%	0%	0%	100%
Rental of Property	90,000	Non Admin less electricity & chemicals	61%	17%	8%	6%	6%	2%	1%	100%
Water Penalty	50,000	Non Admin less electricity & chemicals	61%	17%	8%	6%	6%	2%	1%	100%
Miscellaneous*	11,300	Non Admin less electricity & chemicals	61%	17%	8%	6%	6%	2%	1%	100%
Investment Interest Income	20,000	Non Admin less electricity & chemicals	61%	17%	8%	6%	6%	2%	1%	100%
Water Quality Protection Fees	21,000	100% Base	100%	0%	0%	0%	0%	0%	0%	100%
Total Nonrate Revenues	855,564									
Net Costs To Recover Through Rates	\$ 17,900,639									
	\$ -									

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	Base	Max Day	Max Hour	Metering	Billing	Services	Fire	Total \$ Allocated
Operation & Maintenance Costs								
Administration								
Salaries, Wages, & Benefits								
Salaries & Wages	180,438	52,107	22,797	17,225	18,618	5,169	1,564	297,917
AFSCME retro	-	-	-	-	-	-	-	-
NEA retro	-	-	-	-	-	-	-	-
AFSCME benefits on retro pay	-	-	-	-	-	-	-	-
NEA benefits on retro pay	-	-	-	-	-	-	-	-
Standby Salaries	11,338	3,274	1,432	1,082	1,170	325	98	18,720
Accrued Benefits Buyout	-	-	-	-	-	-	-	-
Employee Benefits	82,229	23,746	10,389	7,850	8,485	2,355	713	135,766
Retiree Insurance Coverage	224,537	78,809	32,583	22,680	19,387	5,805	209	384,011
Workers Compensation	67,491	23,688	9,794	6,817	5,827	1,745	63	115,426
Annual Leave Buyback	1,514	437	191	145	156	43	13	2,500
Subtotal	567,547	182,061	77,187	55,799	53,644	15,443	2,660	954,340

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	Base	Max Day	Max Hour	Metering	Billing	Services	Fire	Total \$ Allocated
All Other Administrative Costs								
Advertisement	2,423	700	306	231	250	69	21	4,000
Membership Dues & Subscription	3,062	884	387	292	316	88	27	5,055
Conferences & Training	1,482	428	187	141	153	42	13	2,446
Tuition Reimbursement	1,211	350	153	116	125	35	10	2,000
Consultant Fees	56,703	16,375	7,164	5,413	5,851	1,624	491	93,622
Postage	606	175	77	58	62	17	5	1,000
Fire & Liability Insurance	22,107	6,384	2,793	2,110	2,281	633	192	36,500
Telephone & Communication	6,420	1,854	811	613	662	184	56	10,600
Water	1,090	315	138	104	112	31	9	1,800
Electricity	4,482	1,294	566	428	463	128	39	7,401
Natural Gas	2,768	799	350	264	286	79	24	4,570
Property Taxes	331,438	95,712	41,875	31,639	34,199	9,494	2,873	547,231
Legal & Administrative								
Audit Fees	3,222	950	343	200	120	92	17	4,944
OPEB Contribution	20,518	6,052	2,187	1,275	762	585	109	31,488
City Council	2,569	758	274	160	95	73	14	3,943
City Clerk	2,956	872	315	184	110	84	16	4,537
City Manager	49,927	14,727	5,321	3,103	1,853	1,425	264	76,621
Human Resources	3,621	1,271	525	366	313	94	3	6,193
City Solicitor	17,808	5,253	1,898	1,107	661	508	94	27,329
Finance Adimistrative 50%	17,080	5,038	1,820	1,062	634	487	90	26,212
Finance Adimistrative 5%	2,191	646	234	136	81	63	12	3,363
Finance Admin 10% Inv/Debt	7,695	2,270	820	478	286	220	41	11,809
Purchasing	14,599	4,306	1,556	907	542	417	77	22,404
Assessment	-	-	-	-	-	-	-	-
Collections	-	-	-	-	24,828	-	-	24,828
Accounting - Wires - 5%	5,962	1,759	635	371	221	170	32	9,149
Accounting	38,418	13,484	5,575	3,881	3,317	993	36	65,704
Facilities Maintenance	-	-	-	-	-	-	-	-
Data Processing	207,849	60,022	26,260	19,841	21,447	5,954	1,802	343,175
Mileage Allowance	1,211	350	153	116	125	35	10	2,000
Gasoline & Vehicle Allowance	3,260	941	412	311	336	93	28	5,382
Repairs & Maintenance	606	175	77	58	62	17	5	1,000
Regulatory Expense	303	87	38	29	31	9	3	500
Regulatory Assessment	70,353	20,316	8,889	6,716	7,259	2,015	610	116,158
Office Supplies	7,174	2,072	906	685	740	206	62	11,845
Self Insurance	303	87	38	29	31	9	3	500
Unemployment Claims	-	-	-	-	-	-	-	-
Subtotal	911,416	266,709	113,082	82,424	108,617	25,974	7,086	1,515,308

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	Base	Max Day	Max Hour	Metering	Billing	Services	Fire	Total \$ Allocated
Customer Service								
Salaries & Wages	-	-	-	163,505	135,593	41,037	-	340,135
Benefits	-	-	-	113,452	94,085	28,475	-	236,012
Copying & binding	-	-	-	-	600	-	-	600
Conferences & Training	-	-	-	-	1,835	-	-	1,835
Support Services	-	-	-	-	45,915	-	-	45,915
Postage	-	-	-	-	64,200	-	-	64,200
Bank Fees (lock box)	-	-	-	-	14,400	-	-	14,400
Gasoline & Vehicle Allowance	-	-	-	15,664	12,990	3,931	-	32,586
Repairs & Maintenance	-	-	-	35,000	-	-	-	35,000
Meter Maintenance	-	-	-	10,000	-	-	-	10,000
Operating Supplies	-	-	-	4,656	-	-	-	4,656
Uniforms & protective Gear	-	-	-	2,450	-	-	-	2,450
Customer Service Supplies	-	-	-	-	3,000	-	-	3,000
Source of Supply - Island								
Salaries & Wages	312,654	-	-	-	-	-	-	312,654
Overtime	20,657	-	-	-	-	-	-	20,657
Temp Salaries	6,917	-	-	-	-	-	-	6,917
Injury Pay	-	-	-	-	-	-	-	-
Employee Benefits	212,596	-	-	-	-	-	-	212,596
Annual Leave Buyback	1,700	-	-	-	-	-	-	1,700
Electricity	30,447	-	-	-	-	-	-	30,447
Gas/Vehicle Maintenance	60,043	-	-	-	-	-	-	60,043
Repairs & Maintenance	14,000	-	-	-	-	-	-	14,000
Reservoir Maintenance	25,000	-	-	-	-	-	-	25,000
Operating Supplies	6,240	-	-	-	-	-	-	6,240
Uniforms & protective Gear	2,000	-	-	-	-	-	-	2,000
Chemicals	94,800	-	-	-	-	-	-	94,800
Source of Supply - Mainland								
Overtime	8,922	-	-	-	-	-	-	8,922
Temp Salaries	19,765	-	-	-	-	-	-	19,765
Permanent Part time	12,900	-	-	-	-	-	-	12,900
Employee Benefits	3,358	-	-	-	-	-	-	3,358
Electricity	138,061	-	-	-	-	-	-	138,061
Repairs & Maintenance	17,000	-	-	-	-	-	-	17,000
Reservoir Maintenance	12,000	-	-	-	-	-	-	12,000
Operating Supplies	466	-	-	-	-	-	-	466

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	Base	Max Day	Max Hour	Metering	Billing	Services	Fire	Total \$ Allocated
Station One (Excludes chemicals)								
Salaries & Wages	334,297	178,748	-	-	-	-	-	513,045
Overtime	56,318	30,113	-	-	-	-	-	86,431
Holiday Pay	14,193	7,589	-	-	-	-	-	21,781
Lead Plant Operator Stipend	8,132	4,348	-	-	-	-	-	12,480
Employee Benefits	192,251	102,796	-	-	-	-	-	295,047
Annual Leave Buyback	7,558	4,042	-	-	-	-	-	11,600
Conferences & Training	1,793	959	-	-	-	-	-	2,752
Fire & Liability Insurance	42,200	22,565	-	-	-	-	-	64,765
Electricity	223,137	-	-	-	-	-	-	223,137
Natural Gas	19,853	10,615	-	-	-	-	-	30,468
Rental of Equipment	652	348	-	-	-	-	-	1,000
Sewer Charge	124,898	-	-	-	-	-	-	124,898
Gas/Vehicle Maintenance	6,552	3,504	-	-	-	-	-	10,056
Repairs & Maintenance	35,838	19,162	-	-	-	-	-	55,000
Operating Supplies	9,102	4,867	-	-	-	-	-	13,969
Uniforms & protective Gear	2,362	1,263	-	-	-	-	-	3,625
Station One Chemicals	431,220	-	-	-	-	-	-	431,220
Lawton Valley (Excludes chemicals)								
Salaries & Wages	346,023	185,018	-	-	-	-	-	531,042
Overtime	71,326	38,138	-	-	-	-	-	109,464
Holiday Pay	12,781	6,834	-	-	-	-	-	19,615
Lead Plant Operator Stipend	8,132	4,348	-	-	-	-	-	12,480
Employee Benefits	217,706	116,407	-	-	-	-	-	334,113
Annual Leave Buyback	6,190	3,310	-	-	-	-	-	9,500
Conferences & Training	1,642	878	-	-	-	-	-	2,520
Fire & Liability Insurance	39,307	21,018	-	-	-	-	-	60,325
Electricity	286,034	-	-	-	-	-	-	286,034
Natural Gas	17,113	9,151	-	-	-	-	-	26,264
Rental of Equipment	652	348	-	-	-	-	-	1,000
Sewer Charge	434,711	-	-	-	-	-	-	434,711
Gas/Vehicle Maintenance	3,986	2,131	-	-	-	-	-	6,117
Repairs & Maintenance	42,354	22,646	-	-	-	-	-	65,000
Operating Supplies	8,071	4,315	-	-	-	-	-	12,386
Uniforms & protective Gear	2,346	1,254	-	-	-	-	-	3,600
Lawton Valley Chemicals	468,936	-	-	-	-	-	-	468,936

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	Base	Max Day	Max Hour	Metering	Billing	Services	Fire	Total \$ Allocated
Laboratory								
Salaries & Wages	143,963	-	-	-	-	-	-	143,963
Employee Benefits	86,921	-	-	-	-	-	-	86,921
Annual Leave Buyback	4,250	-	-	-	-	-	-	4,250
Repairs & Maintenance	6,200	-	-	-	-	-	-	6,200
Regulatory Assessment	83,700	-	-	-	-	-	-	83,700
Laboratory Supplies	40,000	-	-	-	-	-	-	40,000
Transmission and Distribution								
Salaries & Wages	203,066	108,579	209,804	-	-	-	-	521,449
Overtime	16,393	8,765	16,936	-	-	-	-	42,094
Temp Salaries	7,577	4,051	7,828	-	-	-	-	19,456
Injury Pay	-	-	-	-	-	-	-	-
Employee Benefits	118,206	63,205	122,129	-	-	-	-	303,539
Annual Leave Buyback	2,337	1,249	2,414	-	-	-	-	6,000
Conferences & Training	953	509	984	-	-	-	-	2,446
Contract Services	4,622	2,472	4,776	-	-	-	-	11,870
Fire & Liability Insurance	4,249	2,272	4,390	-	-	-	-	10,910
Electricity	8,590	4,593	8,875	-	-	-	-	22,057
Heavy Equipment Rental	3,505	1,874	3,621	-	-	-	-	9,000
Gas/Vehicle Maintenance	34,068	18,216	35,199	-	-	-	-	87,483
Repairs & Maintenance	7,866	4,206	8,127	-	-	-	-	20,200
Main Maintenance	25,702	13,743	26,555	-	-	-	-	66,000
Hydrant Maintenance	-	-	-	-	-	-	-	-
Service Maintenance	-	-	-	-	-	30,000	-	30,000
Operating Supplies	2,901	1,551	2,997	-	-	-	-	7,450
Uniforms & protective Gear	1,558	833	1,609	-	-	-	-	4,000
Fire Protection								
	-	-	-	-	-	-	31,300	31,300
Non-Administrative O&M								
	5,283,817	1,042,834	456,245	344,728	372,618	103,443	31,300	7,634,985

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	Base	Max Day	Max Hour	Metering	Billing	Services	Fire	Total \$ Allocated
Water Supply	1,272,820	-	-	-	-	-	-	1,272,820
Treatment Station 1	1,301,953	696,152	-	-	-	-	-	1,998,105
Treatment Lawton Valley	1,511,717	808,313	-	-	-	-	-	2,320,031
Treatment Both Plants	437,552	233,958	-	-	-	-	-	671,510
T&D Pumping	21,232	11,353	21,937	-	-	-	-	54,522
T&D	631,873	337,861	652,840	-	-	-	-	1,622,574
Fire	-	-	-	-	-	-	24,845	24,845
Meters	-	-	-	314,874	-	-	-	314,874
Services	-	-	-	-	-	199,365	-	199,365
Billing	-	-	-	-	21,355	-	-	21,355
	5,177,146	2,087,638	674,777	314,874	21,355	199,365	24,845	8,500,000
	61%	25%	8%	4%	0%	2%	0%	100%
	151,570	-	-	-	-	-	-	151,570
Total Non-Admin Costs	10,612,533	3,130,472	1,131,021	659,602	393,973	302,808	56,145	16,286,555
	65%	19%	7%	4%	2%	2%	0%	100%
	80,553	23,262	10,177	7,690	8,312	2,307	698	133,000
	-	-	-	175,741	175,741	-	-	351,482
	-	-	-	89,391	89,391	-	-	178,782
	54,510	15,741	6,887	5,204	5,625	1,561	472	90,000
	30,283	8,745	3,826	2,891	3,125	867	262	50,000
	6,844	1,976	865	653	706	196	59	11,300
	12,113	3,498	1,530	1,156	1,250	347	105	20,000
	21,000	-	-	-	-	-	-	21,000
	205,304	53,223	23,285	282,726	284,149	5,279	1,597	855,564
	\$ 10,407,230	\$ 3,077,249	\$ 1,107,736	\$ 376,876	\$ 109,824	\$ 297,529	\$ 54,548	\$ 15,430,991

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Non-Admin O&M Costs	\$	5,283,817	\$	1,042,834	\$	456,245	\$	344,728	\$	372,618	\$	103,443	\$	31,300	\$	7,634,985
Less: Chemicals																\$ -
Station One	\$	(431,220)														\$ (431,220)
Lawton Valley	\$	(468,936)														\$ (468,936)
Source Supply	\$	(94,800)														\$ (94,800)
Electricity																\$ -
Source Supply	\$	(168,508)	\$	-												\$ (168,508)
Station One	\$	(223,137)	\$	-												\$ (223,137)
Lawton Valley	\$	(286,034)	\$	-												\$ (286,034)
Costs Adjusted	\$	3,611,183	\$	1,042,834	\$	456,245	\$	344,728	\$	372,618	\$	103,443	\$	31,300	\$	5,962,351
		61%		17%		8%		6%		6%		2%		1%		100%

Base	Max Day	Max Hour	Metering	Billing	Services	Fire	Total \$ Allocated
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Non-Administrative Labor

Administration	193,290	55,818	24,421	18,452	19,945	5,537	1,675	319,137
Customer Service	0	0	0	163,505	135,593	41,037	0	340,135
Source of Supply - Island	340,228	0	0	0	0	0	0	340,228
Source of Supply - Mainland	41,587	0	0	0	0	0	0	41,587
Station One	412,366	220,492	0	0	0	0	0	632,858
Lawton Valley	436,321	233,300	0	0	0	0	0	669,621
Laboratory	148,213	0	0	0	0	0	0	148,213
Transmission/Distribution	229,372	122,645	236,983	0	0	0	0	588,999
Total	1,801,377	632,254	261,403	181,956	155,538	46,574	1,675	3,080,778
Percent	58%	21%	8%	6%	5%	2%	0%	100%

ALLOCATION PERCENTAGES		Commodity Charges						Total % Allocated
		Base Charge	Retail		Navy	Portsmouth	Fire	
			Residential	Non-Residential				
Base	<i>Average annual demand</i>	41%	29%	10%	19%	0%	100%	
Base Excluding PWFD		51%	36%	13%	0%	0%	100%	
Base Excluding PWFD & 50% Navy		54%	39%	7%	0%	0%	100%	
Water Quality Protection Fees		58%	42%	0%	0%	0%	100%	
Total Base to Class		43%	30%	10%	17%	0%	100%	
Max Day	<i>Estimated customer peaking factors</i>	32%	25%	6%	15%	22%	100%	
Base Excluding PWFD		38%	30%	7%	0%	26%	100%	
Max Day Excluding PWFD & 50% Navy		39%	31%	3%	0%	27%	100%	
Total Max Day to Class		34%	26%	5%	12%	23%	100%	
Max Hour	<i>Estimated customer peaking factors</i>	17%	19%	5%	8%	51%	100%	
Base Excluding PWFD		19%	21%	5%	0%	56%	100%	
Max Hour Excluding PWFD & 50% Navy		19%	21%	3%	0%	57%	100%	
Total Max Hour to Class		19%	21%	3%	0%	57%	100%	
Metering	<i>Direct Assignment</i>	100%					100%	
Billing	<i>Direct Assignment</i>	100%					100%	
Services	<i>Direct Assignment</i>	100%					100%	
Fire	<i>Direct Assignment</i>					100%	100%	
Treatment Plant Avg. Day	<i>Assured Capacity</i>	0%	0%	0%	0%	0%	0%	
Treatment Plant Max. Day	<i>Assured Capacity</i>	0%	0%	0%	0%	0%	0%	

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ALLOCATION RESULTS Cost Category	Rate Year	Commodity Charges					Total \$ Allocated	
		Base Charge	Residential	Non-Residential	Navy	Portsmouth		Fire
Base								
Base excluding T&D&WQPF & Pumping	9,517,837		3,921,472	2,795,579	980,572	1,820,213	9,517,837	
Transmission & Distribution	1,073,464		584,066	416,375	73,023	-	1,073,464	
Pumping	21,232		10,817	7,711	2,705	-	21,232	
Water Quality Protection Fees	(21,000)		(12,260)	(8,740)	-	-	(21,000)	
Revenue Offsets	(184,304)		(78,434)	(55,915)	(18,344)	(31,611)	(184,304)	
Administrative Charges	1,478,963		629,399	448,693	147,206	253,665	1,478,963	
Max Day								
Max Day Except T&D & Pumping	2,545,139		822,444	646,612	142,850	371,389	2,545,139	
Transmission & Distribution	573,980		224,545	176,539	19,501	-	573,980	
Pumping	11,353		4,295	3,377	746	-	11,353	
Revenue Offsets	(53,223)		(17,874)	(14,052)	(2,773)	(6,314)	(53,223)	
Administrative Charges	448,770		150,707	118,487	23,381	53,241	448,770	
Max Hour								
Max Hr. Except T&D & Pumping	-		-	-	-	-	-	
Transmission & Distribution	1,109,084		211,296	237,251	28,571	631,966	1,109,084	
Pumping	21,937		4,074	4,575	1,102	-	21,937	
Revenue Offsets	(23,285)		(4,434)	(4,979)	(611)	(13,262)	(23,285)	
Administrative Charges	190,269		36,231	40,682	4,992	108,364	190,269	
Metering								
Metering	659,602	659,602					659,602	
Revenue Offsets	(282,726)	(282,726)					(282,726)	
Administrative Charges	138,223	138,223					138,223	
Services								
Services	302,808	302,808					302,808	
Revenue Offsets	(5,279)	(5,279)					(5,279)	
Administrative Charges	41,417	41,417					41,417	
Billing								
Billing	393,973	393,973					393,973	
Revenue Offsets	(284,149)	(284,149)					(284,149)	
Administrative Charges	162,261	162,261					162,261	
Fire								
Fire	56,145					56,145	56,145	
Revenue Offsets	(1,597)					(1,597)	(1,597)	
Administrative Charges	9,746					9,746	9,746	
Treatment Plant Capital Costs								
Treatment Plant Avg. Day	-						-	
Treatment Plant Max. Day	-						-	
Total To Recover through Rates	\$ 17,900,639	\$ 1,126,130	\$ 6,486,345	\$ 4,812,195	\$ 1,402,920	\$ 2,460,583	\$ 1,612,466	\$ 17,900,639

Metering	(1)	(2)	(2)	(2)	(2)	(3)	Total
Equivalent meters x 12 months	2.9%	36.2%	26.9%	7.8%	13.7%	8.6%	100.0%
Allocated Cost	\$ 515,099	\$ 6,486,345	\$ 4,812,195	\$ 1,402,920	\$ 2,460,583	\$ 1,548,172	\$ 17,900,639
Divided by: Number of Units	210,300	624,500	445,200	188,900	377,000	160,336	
Unit Cost of Service	\$2.4494	\$10.39	\$10.81	\$7.43	\$6.53	\$9.66	
	per equiv per month	per 1000 gallons	per 1000 gallons	per 1000 gallons	per 1000 gallons	Equivalent connections	

COST OF SERVICE PER UNIT

Description of Billing Units
Percentage of Dollars Allocated
Allocated Cost
Divided by: Number of Units
Unit Cost of Service

Billing	Services	Hydrants
No. of bills per year	Equivalent Connections	No. of Hydrants
1.5%	1.9%	0.4%
\$ 272,085	\$ 338,946	\$ 64,294
175,323	276,936	1,042
\$1.5519	\$1.2239	\$61.7021
per bill	per equiv	per Hydrant

(1) From HJS Schedule D-1 Joint Settlement Revised, 'Water Accounts, by Size and Class'.
(2) From HJS Schedule B-6 Joint Settlement Revised, 'Water Demand History'.
(3) From HJS Schedule D-2 Joint Settlement Revised, 'Fire Protection Accounts'.

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Allocation Basis	Used to allocate the following cost categories	Source Schedule	Base	Max Day	Max Hour	Metering	Billing	Services	Direct Fire Protection	Total % Allocated
Average Day Demand Patterns	<i>Supply, Laboratory</i>	N/A	100%							100%
Maximum Day Demand Patterns	<i>Treatment</i>	B-1	65%	35%	0%					100%
Maximum Hour Demand Patterns	<i>Pumping, Transmission/Distribution, Storage</i>	B-1	39%	21%	40%					100%
Fire Protection	<i>Public/Private Fire Protection Costs</i>	D-2							100%	100%
Non Admin less electricity & chemicals	<i>Administration Salaries, Wages, & Benefits</i>	B-1	61%	17%	8%	6%	6%	2%	1%	100%
Customer Service Salaries and Wages	<i>Customer Service Salaries, Wages, & Benefits</i>	B-4	0%	0%	0%	48%	40%	12%	0%	100%
Non-Administrative Wages & Salaries	<i>Administrative Labor Related</i>	B-1	58%	21%	8%	6%	5%	2%	0%	100%
Capital Costs	<i>Certain Legal and Administrative</i>	B-1	61%	25%	8%	4%	0%	2%	0%	0%
Total Non-Admin Costs before Offsets	<i>Certain Legal and Administrative</i>	B-1	65%	19%	7%	4%	2%	2%	0%	100%
Other Costs	<i>Administration Non-Salary Costs</i>	B-1	61%	17%	8%	6%	6%	2%	1%	100%
Treatment Plant Capital	<i>Treatment Capital Costs</i>	B-4	65%	35%	0%	0%	0%	0%	0%	

Administration 15-500-2200

Salaries by Staff Position	
Director of Utilities	\$ 87,347
Administrative Secretary	\$ 34,986
Deputy Director - Finance	\$ 66,733
Deputy Director - Engineering	\$ 76,332
Financial Analyst	\$ 32,520
Salary \$ Allocation Results	\$ 297,917
Resulting % Allocation of Administration Salaries, Wages, & Benefits	

Allocation of Salary Costs							Total
Base	Max Day	Max Hour	Metering	Billing	Services	Direct Fire Protection	Allocated
61%	17%	8%	6%	6%	2%	1%	100%
61%	17%	8%	6%	6%	2%	1%	100%
61%	17%	8%	6%	6%	2%	1%	100%
61%	17%	8%	6%	6%	2%	1%	100%
61%	17%	8%	6%	6%	2%	1%	100%
\$ 180,438	\$ 52,107	\$ 22,797	\$ 17,225	\$ 18,618	\$ 5,169	\$ 1,564	\$ 297,917
61%	17%	8%	6%	6%	2%	1%	100%

Customer Service 15-500-2209

Salaries by Staff Position	
Meter Repairman/Reader	\$ 41,112
Meter Repairman/Reader	\$ 50,878
Principal Account Clerk	\$ 47,876
Meter Repairman/Reader	\$ 51,298
Maintenance Mechanic	\$ 53,755
Principal Account Clerk	\$ 23,938
Water Meter Foreman	\$ 64,557
Salary \$ Allocation Results	\$ 333,414
Resulting % Allocation of Customer Service Salaries, Wages, & Benefits	

			50%	50%			100%
			50%	50%			100%
				100%			100%
			100%				100%
			33%	33%	34%		100%
			100%				100%
			33%	33%	34%		100%
			\$ 160,274	\$ 132,914	\$ 40,226		\$ 333,414
0%	0%	0%	48%	40%	12%	0%	100%

Functional Break Down of Existing Fixed Assets

	Supply	Treatment Station 1	Treatment Lawton Valley	Treatment Both Plants	T&D	T&D Pump	Fire	Meters	Services	Billing	
TRANSMISSION/DISTRIBUTION	\$ 32,296,348				100%						100%
LAWTON VALLEY	\$ 50,565,297		100%								100%
STATION 1	\$ 43,548,893	100%									100%
TREATMENT BOTH	\$ 14,635,624			100%							100%
STORAGE	\$ 3,067,813				100%						100%
SOURCE OF SUPPLY	\$ 27,662,753	100%									100%
METERS	\$ 6,862,709							100%			100%
SERVICES	\$ 4,345,187								100%		100%
T&D PUMPING	\$ 1,188,312					100%					100%
BILLING	\$ 465,430									100%	100%
FIRE	\$ 541,499						100%				100%
Total	\$ 185,179,866										
LABORATORY	\$ 80,000	100%	0%	0%	0%	0%	0%	0%	0%	0%	100%
LAND AND ROW	\$ 3,594,491	15%	24%	27%	8%	19%	1%	0%	4%	2%	100%
	\$ 3,674,491										

Total Fixed Assets \$ 188,854,357

	Supply	Treatment Station 1	Treatment Lawton Valley	Treatment Both Plants	T&D	T&D Pump	Fire	Meters	Services	Billing	Total
TRANSMISSION/DISTRIBUTION	\$ 32,296,348	\$ -	\$ -	\$ -	\$ 32,296,348	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 32,296,348
LAWTON VALLEY	\$ 50,565,297	\$ -	\$ 50,565,297	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 50,565,297
STATION 1	\$ 43,548,893	\$ 43,548,893	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 43,548,893
TREATMENT BOTH	\$ 14,635,624	\$ -	\$ -	\$ 14,635,624	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 14,635,624
STORAGE	\$ 3,067,813	\$ -	\$ -	\$ -	\$ 3,067,813	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,067,813
SOURCE OF SUPPLY	\$ 27,662,753	\$ 27,662,753	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 27,662,753
METERS	\$ 6,862,709	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 6,862,709	\$ -	\$ -	\$ 6,862,709
SERVICES	\$ 4,345,187	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 4,345,187	\$ -	\$ 4,345,187
T&D PUMPING	\$ 1,188,312	\$ -	\$ -	\$ -	\$ -	\$ 1,188,312	\$ -	\$ -	\$ -	\$ -	\$ 1,188,312
BILLING	\$ 465,430	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 465,430	\$ 465,430
FIRE	\$ 541,499	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 541,499	\$ -	\$ -	\$ -	\$ 541,499
WORK IN PROGRESS	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total	\$ 185,179,866	\$ 27,662,753	\$ 43,548,893	\$ 50,565,297	\$ 14,635,624	\$ 35,364,161	\$ 1,188,312	\$ 541,499	\$ 6,862,709	\$ 4,345,187	\$ 185,179,866
		15%	24%	27%	8%	19%	1%	0%	4%	2%	0%
LABORATORY	\$ 80,000	\$ 80,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 80,000
LAND AND ROW	\$ 3,594,491	\$ 536,956	\$ 845,319	\$ 981,513	\$ 284,089	\$ 686,447	\$ 23,066	\$ 10,511	\$ 133,211	\$ 84,344	\$ 3,594,491
	\$ 3,674,491	\$ 616,956	\$ 845,319	\$ 981,513	\$ 284,089	\$ 686,447	\$ 23,066	\$ 10,511	\$ 133,211	\$ 84,344	\$ 3,674,491
		17%	23%	27%	8%	19%	1%	0%	4%	2%	0%
Total Allocated	\$ 28,279,710	\$ 44,394,212	\$ 51,546,810	\$ 14,919,713	\$ 36,050,608	\$ 1,211,378	\$ 552,010	\$ 6,995,920	\$ 4,429,531	\$ 474,464	\$ 188,854,357
% of Total Asset Value	15%	24%	27%	8%	19%	1%	0%	4%	2%	0%	

Functionalization of Capital Costs

		Supply	Treatment Station 1	Treatment Lawton Valley	Treatment Both Plants	T&D	T&D Pump	Fire	Meters	Services	Billing	
Capital Spending Restricted Account	\$ 2,500,000	15%	24%	27%	8%	19%	1%	0%	4%	2%	0%	100%
Debt Service	\$ 6,000,000	15%	24%	27%	8%	19%	1%	0%	4%	2%	0%	100%
	\$ 8,500,000											

		Supply	Treatment Station 1	Treatment Lawton Valley	Treatment Both Plants	T&D	T&D Pump	Fire	Meters	Services	Billing	Total
Capital Spending Restricted Account	\$ 2,500,000	\$ 374,359	\$ 587,678	\$ 682,362	\$ 197,503	\$ 477,228	\$ 16,036	\$ 7,307	\$ 92,610	\$ 58,637	\$ 6,281	\$ 2,500,000
Debt Service	\$ 6,000,000	\$ 898,461	\$ 1,410,427	\$ 1,637,669	\$ 474,007	\$ 1,145,346	\$ 38,486	\$ 17,538	\$ 222,264	\$ 140,728	\$ 15,074	\$ 6,000,000
	\$ 8,500,000	\$ 1,272,820	\$ 1,998,105	\$ 2,320,031	\$ 671,510	\$ 1,622,574	\$ 54,522	\$ 24,845	\$ 314,874	\$ 199,365	\$ 21,355	\$ 8,500,000

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	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	Demand Projection Options			Rate Year Demand Projection	Demand Projection from 4595
									2-Year Avg	3-Year Avg	Trend		
Annual Demand by Class													
Residential	640,966	618,574	663,331	651,514	670,930	621,387	643,010	609,006	626,008	624,468	605,896	624,500	661,222
Non-Residential	502,475	472,437	485,331	446,842	467,568	440,354	457,187	438,155	447,671	445,232	441,934	445,200	457,205
Navy	137,731	222,858	250,769	276,891	217,265	193,192	180,514	192,925	186,720	188,877	188,477	188,900	247,078
Portsmouth	398,827	407,837	411,578	455,255	410,309	381,114	380,190	369,706	374,948	377,003	359,891	377,000	432,782
Total (in 1000's Gallons)	1,679,999	1,721,706	1,811,009	1,830,502	1,766,072	1,636,047	1,660,901	1,609,792	1,635,347	1,635,580	1,596,198	1,635,600	1,798,287

Peaking Comparison											
Combined Station #1 and LV WTP Production Volumes in 1,000 gals								Peaks	Estimated	Diversity	
2011	2012	2013	2014	2015	2016	2017	2018				
Annual Production	2,304,024	2,059,646	2,071,219	2,115,343	2,027,100	1,983,261	1,960,371	1,981,660	1,971,016		
Average Day Production	6,312	5,643	5,675	5,795	5,554	5,434	5,371	5,429	5,400.04		
Maximum Month Production	268,468	244,463	236,739	227,653	219,066	206,310	229,041	211,420	220,230		
Maximum Day Production	10,163	10,606	9,721	9,462	8,690	7,878	8,660	7,915	8,287		
Max Day Date	7/23/2011	7/7/2012	7/7/2012	7/6/2013	7/25/2014	7/24/2015	7/22/2016	8/22/2017			
Maximum Day Peaking Factor	1.61	1.88	1.71	1.63	1.56	1.45	1.61	1.46	1.5	1.94	1.33
Max-Day to Avg. Day/Max-Month Ratio	1.17	1.34	1.27	1.29	1.23	1.18	1.17	1.16	1.2		
Maximum Hour	12,100	12,500	14,200	12,500	16,000	12,600	13,100	15,900	13,867		
Maximum Hour Peaking Factor	1.92	2.22	2.50	2.16	2.88	2.32	2.44	2.93	2.9	2.70	0.92

(1) Calculated according to AWWA M-1 Guidelines

Estimation of Each Customer Class' Peaking Factors

Customer Class	Max Day Demand Factor	Max Hour Demand Factor
Residential	1.95	2.60
Non-Residential	2.04	3.07
Navy	1.66	2.36
Portsmouth	1.92	2.56
Fire	(5)	
Estimated Systemwide Peaks	1.94	2.70

(5) Fire peaking behavior is estimated using a separate methodology demonstrated in HJS Schedule B-11 Joint Settlement Revised, Fire Protection Demand Analysis'.

Rate Year Demand (1,000 gallons)								
Customer Class	Annual Demand	Average Daily Demand	Lost Water Adjustment	Adjusted Average Daily Demand	% Average Demand by Class	% Average Demand Ex PWFD & 50% Navy	% Average Demand Ex PWFD	
Residential	624,500	1,711	514	2,225	41.2%	54.4%	50.9%	
Non-Residential	445,200	1,220	367	1,586	29.4%	38.8%	36.3%	
Navy	188,900	518	39	556	10.3%	6.8%	12.7%	
Portsmouth	377,000	1,033	-	1,033	19.1%	0.0%	0.0%	
Fire				-	0.0%	0.0%	0.0%	
Total, w Fire Prot.	1,635,600	4,481	13%	5,401	100%	100%	100%	
<i>Production</i>	1,971,321	5,401	(1) 17.03%				0.0	

Customer Class	Max Day Calculations				% of Daily Peaks			Max Hour Calculations			% of Hourly Peaks		
	Max Day Peaking Factor	Demand x Peaking Factor (3)	Incremental Peak Demand	% of Daily Peaks	With Full PWFD & Navy	Without PWFD & 50% Navy	Without PWFD	Max Hour Peaking Factor	Demand x Peaking Factor	Incremental Peak Demand	With Full PWFD & Navy	Without PWFD & 50% Navy	Without PWFD
Residential	1.95	4,333	2,108	32.3%	32.3%	39.1%	37.8%	2.60	5,778	1,444	17.1%	19.1%	18.6%
Non-Residential	2.04	3,244	1,657	25.4%	25.4%	30.8%	29.7%	3.07	4,865	1,622	19.2%	21.4%	20.9%
Navy	1.66	923	366	5.6%	5.6%	3.4%	6.6%	2.36	1,313	391	4.6%	2.6%	5.0%
Portsmouth	1.92	1,985	952	14.6%	14.6%	0.0%	0.0%	2.56	2,646	662	7.8%	0.0%	0.0%
Fire	(2)	1,440	1,440	22.1%	22.1%	26.7%	25.8%		5,760	4,320	51.2%	57.0%	55.5%
Total, w Fire Prot.		11,924	6,523	100.0%	100.0%	100.0%	100.0%		20,362	8,438	100.0%	100.0%	100.0%
Total, without Fire Protection		10,484	5,083						14,602	4,118			

(demand is in thousands of gallons)

(1) From HJS Schedule D-4 Joint Settlement Revised. The lost water adjustment is made to the peaking analysis so that Portsmouth will not share in that portion of certain operating costs. Navy allocation is reduced to 25%.

(2) From HJS Schedule B-11 Joint Settlement Revised, Fire Protection Demand Analysis'.

EACH RATE CLASS' SHARE OF SYSTEM PEAKS

<u>Rate Class</u>	Average Demand	Daily Peaks	Hourly Peaks
Retail			
Residential	41%	32%	17%
Non-Residential	29%	25%	19%
Navy	10%	6%	5%
Portsmouth	19%	15%	8%
Fire	0%	22%	51%
	100%	100%	100%

BASE/EXTRA-CAPACITY DISTRIBUTION OF SYSTEM PEAKS

	Incremental Demand	% Distribution for Max Day	% Distribution for Max Hour
Base	5,400	65.2%	38.9%
Extra Capacity			
Max Day	2,887	34.8%	20.8%
Max Hour	5,579		40.2%
Fire Protection			
Max Day	-	0.0%	0.0%
Max Hour	-		0.0%
Total%		100.0%	100.0%
Total 1000's Gallons		8,287	13,867

FIRE PROTECTION ASSUMPTIONS

Fire Protection Flow (gals per minute)	4,000
Hourly Fire Protection Flow (1000's of gallons)	240
Length of Fire Event (in hours)	6

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Connection Size	Meter Factors	NON-RESIDENTIAL		RESIDENTIAL		WHOLESALE (Monthly)			
		Meter Read Frequency	Equivalent Meters	Meter Read Frequency	Equivalent Meters	Navy		Portsmouth	
		Monthly	Monthly	Monthly	Monthly	Meters	Equivalents	Meters	Equivalents
5/8	1.0	877	877	9,839	9,839	5	5	0	0
3/4	1.1	304	334	2,229	2,452	1	1	0	0
1	1.4	213	298	357	500	1	1	0	0
1.5	1.8	202	364	180	324	1	2	0	0
2	2.9	162	470	92	267	1	3	0	0
3	11.0	42	462	18	198	0	0	0	0
4	14.0	13	182	2	28	0	0	0	0
5	18.0	-	-	-	-	0	0	0	0
6	21.0	16	336	10	210	8	168	0	0
8	29.0	3	87	1	29	0	0	0	0
10	43.5	-	-	-	-	1	44	1	44
Total	14,579	1,832	3,410	12,728	13,847	18	224	1	44

Billed Monthly
Billed Quarterly
Billed Annually

Equivalent Billing Units	
14,579	174,948
-	-
375	375
Total	175,323

Equivalent Meter Units	
17,525	210,300
-	-
N/A	N/A
Total	210,300

	Connection Size	Existing Differential	Number of Connections	Equivalent Connections (2)	
Public Hydrants					
Newport	6	111.31	624	69,458	
Middletown	6	111.31	409	45,526	
Portsmouth	6	111.31	9	1,002	% of Equiv Connections
Subtotal: Public Hydrants			1042	115,986	72%
Private Fire Connections					
	2	6.19	0	-	
	4	38.32	79	3,027	
	6	111.31	237	26,381	
	8	237.21	54	12,809	
	10	426.58	5	2,133	% of Equiv Connections
	12	689.04	0	-	
Subtotal: Private Fire Connections			375	44,350	28%
Total Fire Connections			1,417	160,336	100%

- (1) Demand factors are based on the principles of the Hazen-Williams equation for flow through pressure conduits. For more information, see the AWWA M1 rate manual chapter on fire protection charges.
- (2) Equivalent connections are arrived at by multiplying the number of connections by the demand factor.

General Water Service

Connection Size	Service Cost	No. of Services	Equivalent Connections	
5/8	1.000	10,721	10,721	
3/4	1.000	2,534	2,534	
1	1.860	571	1,062	
1.5	4.630	383	1,773	
2	6.150	255	1,568	
3	11.060	60	664	
4	11.060	15	166	
5	11.060	0	0	
6	11.060	34	376	
8	11.060	4	44	% of Equiv Connections
10	11.060	2	22	
Subtotal General Service		14,579	18,931	82%
Private Fire Connections				
2	6.150	0	-	
4	11.060	79	874	
6	11.060	237	2,621	
8	11.060	54	597	
10	11.060	5	55	% of Equiv Connections
12	11.060	0	-	
Subtotal: Private Fire Connections		375	4,148	18%
Annualized			12	
Total Retail & Private Fire Connections		14,954	276,936	100%

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	Station #1		Max. Month:	Lawton Valley		Max. Month:	Combined	
	In Gallons	in 1000's		In Gallons	in 1000's		In Gallons	in 1000's
<u>FY 12 JULY 2011 - JUNE 2012</u>								
	1,183,810,000	1,183,810		875,836,000	875,836		2,059,646,000	2,059,646
July	145,762,000	145,762	July	98,700	99	July	244,462,700	244,463
<u>FY 13 JULY 2012 - JUNE 2013</u>	1,076,157,000	1,076,157		995,062,000	995,062		2,071,219,000	2,071,219
July	116,038,000	116,038	July	120,700,600	120,701	July	236,738,600	236,739
<u>FY14 JULY 2013 - JUNE 2014</u>	1,151,855,000	1,151,855		963,487,700	963,488		2,115,342,700	2,115,343
September	123,318,000	123,318	July	113,098,100	113,098	July	227,653,100	227,653
<u>FY 15 JULY 2014 - JUNE 2015</u>	874,221,000	874,221		1,152,879,049	1,152,879		2,027,100,049	2,027,100
July	103,314,000	103,314	August	117,426,100	117,426	August	219,066,100	219,066
<u>FY 16 JULY 2015 - JUNE 2016</u>	831,234,272	831,234		1,152,026,776	1,152,027		1,983,261,048	1,983,261
August	94,908,000	94,908	June	111,453,000	111,453	August	206,310,000	206,310
<u>FY 17 JULY 2016 - JUNE 2017</u>	830,036,752	830,037		1,130,333,841	1,130,334		1,960,370,593	1,960,371
August	101,145,000	101,145	July	128,709,000	128,709	July	229,041,000	229,041
<u>FY 18 JULY 2017 - JUNE 2018</u>	831,195,415	831,195		1,150,465,037	1,150,465		1,981,660,452	1,981,660
August	91,844,880	91,845	August	119,574,667	119,575	August	211,419,547	211,420

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	Station #1			Lawton Valley			Combined		
	Max Day Production			Max Day Production			Max Day Production		
	Max Day	In Gallons	in 1000's	Max Day	In Gallons	in 1000's	Max Day	In Gallons	in 1000's
<u>FY 12 JULY 2011 - JUNE 2012</u>	7/4/2011	5,703,000	5,703	8/3/2011	5,981,000	5,981	7/23/2011	10,606,000	10,606
<u>FY 13 JULY 2012 - JUNE 2013</u>	7/6/2012	4,697,000	4,697	9/25/2012	5,400,000	5,400	7/7/2012	9,721,000	9,721
<u>FY14 JULY 2013 - JUNE 2014</u>	9/30/2013	4,749,000	4,749	7/6/2013	5,025,000	5,025	7/6/2013	9,462,000	9,462
<u>FY 15 JULY 2014 - JUNE 2015</u>	9/16/2014	4,096,000	4,096	7/25/2014	5,100,000	5,100	7/25/2014	8,690,000	8,690
<u>FY 16 JULY 2015 - JUNE 2016</u>	7/24/2015	3,484,000	3,484	6/26/2016	4,594,000	4,594	7/24/2015	7,878,000	7,878
<u>FY 17 JULY 2016 - JUNE 2017</u>	7/22/2016	3,715,000	3,715	7/22/2016	4,945,000	4,945	7/22/2016	8,660,000	8,660
<u>FY 18 JULY 2017 - JUNE 2018</u>	7/20/2017	3,903,708	3,904	8/22/2017	5,212,210	5,212	8/22/2017	7,914,875	7,915

PEAK HOURLY FLOW

	Date	Station #1		Date	Lawton Valley	
<u>FY 12 JULY 2011 - JUNE 2012</u>	7/5/2011	6.50	MGD	7/7/2011	6.0	MGD
<u>FY 13 JULY 2012 - JUNE 2013</u>	6/11/2013	8.20	MGD	7/17/2012	6.0	MGD
<u>FY14 JULY 2013 - JUNE 2014</u>	10/16/2013	6.50	MGD	7/7/2013	6.0	MGD
<u>FY 15 JULY 2014 - JUNE 2015</u>	8/29/2014	9.00	MGD	11/12/2014	7.0	MGD
<u>FY 16 JULY 2015 - JUNE 2016</u>	6/20/2016	5.60	MGD	5/26/2018	7.0	MGD
<u>FY 17 JULY 2016 - JUNE 2017</u>	8/7/2016	6.30	MGD	11/12/2016	6.8	MGD
<u>FY 18 JULY 2017 - JUNE 2018</u>	8/21/2017	8.50	MGD	8/21/2018	7.4	MGD

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Rhode Island Public Utilities Commission
 Docket 4933
 FY 2020 Rate Filing
 HJS Schedule D-5 Joint Settlement Revised
 Debt Service Restricted Account Cashflow

FY 2018 ACTUAL												
	July	August	September	October	November	December	January	February	March	April	May	June
Debt Service Account												
Beginning Cash Balance	\$ 4,326,992	\$ 4,895,623	\$ 5,464,815	\$ 589,892	\$ 1,157,484	\$ 1,725,297	\$ 2,293,377	\$ 2,985,126	\$ 3,554,201	\$ 2,813,509	\$ 3,382,835	\$ 3,952,995
Additions												
From Rates	\$567,583	\$567,583	\$567,583	\$567,583	\$567,583	\$567,583	\$567,583	\$567,583	\$567,583	\$567,583	\$567,583	\$567,583
From Capital Restricted Acct.	-	-	-	-	-	-	123,192	-	-	-	-	-
Interest Income	1,048	1,608	1,922	8	230	496	974	1,492	1,766	1,743	2,577	3,383
Total Additions	\$ 568,632	\$ 569,192	\$ 569,505	\$ 567,592	\$ 567,813	\$ 568,079	\$ 691,749	\$ 569,076	\$ 569,349	\$ 569,326	\$ 570,160	\$ 570,966
Deductions												
To Capital Restricted Acct.	-	-	-	-	-	-	-	-	-	-	-	-
Existing Debt Service	-	-	5,444,428	-	-	-	-	-	1,310,042	-	-	-
Total Deductions	\$ -	\$ -	\$ 5,444,428	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,310,042	\$ -	\$ -	\$ -
Ending Cash Balance	\$ 4,895,623	\$ 5,464,815	\$ 589,892	\$ 1,157,484	\$ 1,725,297	\$ 2,293,377	\$ 2,985,126	\$ 3,554,201	\$ 2,813,509	\$ 3,382,835	\$ 3,952,995	\$ 4,523,961

	FY 2019 ACTUAL						FY 2019 PROJECTED					
	July	August	September	October	November	December	January	February	March	April	May	June
Debt Service Account												
Beginning Cash Balance	\$ 4,523,961	\$ 5,095,698	\$ 142,721	\$ 716,147	\$ 1,284,000	\$ 1,852,589	\$ 2,421,974	\$ 2,992,473	\$ 3,563,946	\$ 3,180,871	\$ 3,752,734	\$ 4,325,290
Additions												
From Rates	\$567,583	\$567,583	\$567,583	\$567,583	\$567,583	\$567,583	\$567,583	\$567,583	\$567,583	\$567,583	\$567,583	\$567,583
From Capital Restricted Acct.	-	-	-	-	-	-	-	-	-	-	-	-
Interest Income	4,153	5,328	5,842	270	1,005	1,802	2,916	3,890	4,195	4,280	4,973	6,002
Total Additions	\$ 571,736	\$ 572,912	\$ 573,426	\$ 567,854	\$ 568,589	\$ 569,385	\$ 570,499	\$ 571,473	\$ 571,778	\$ 571,863	\$ 572,556	\$ 573,585
Deductions												
To Capital Restricted Acct.	-	-	-	-	-	-	-	-	-	-	-	-
Use of Bond Proceeds ¹	-	-	-	-	-	-	-	-	(304,528)	-	-	-
Existing Debt Service	-	5,525,888	-	-	-	-	-	-	1,259,382	-	-	-
Total Deductions	\$ -	\$ 5,525,888	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 954,854	\$ -	\$ -	\$ -
Ending Cash Balance	\$ 5,095,698	\$ 142,721	\$ 716,147	\$ 1,284,000	\$ 1,852,589	\$ 2,421,974	\$ 2,992,473	\$ 3,563,946	\$ 3,180,871	\$ 3,752,734	\$ 4,325,290	\$ 4,898,875

1- The bond proceeds are not actually deposited into the Debt Service Restricted account, but are shown in this way so that the effect on the account balance is reflected on this schedule.

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FY 2020 PROJECTED												
	July	August	September	October	November	December	January	February	March	April	May	June
Debt Service Account												
Beginning Cash Balance	\$ 4,898,875	\$ 7,001,611	\$ 2,015,420	\$ 2,887,532	\$ 3,455,115	\$ 3,955,115	\$ 4,455,115	\$ 4,955,115	\$ 5,455,115	\$ 4,818,310	\$ 5,318,310	\$ 5,818,310
Additions												
From Rates	\$567,583	\$567,583	\$567,583	\$567,583	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000
From Capital Restricted Acct.	-	-	-	-	-	-	-	-	-	-	-	-
Interest Income	-	-	-	-	-	-	-	-	-	-	-	-
Total Additions	\$ 567,583	\$ 567,583	\$ 567,583	\$ 567,583	\$ 500,000	\$ 500,000	\$ 500,000	\$ 500,000	\$ 500,000	\$ 500,000	\$ 500,000	\$ 500,000
Deductions												
To Capital Restricted Acct.	-	-	-	-	-	-	-	-	-	-	-	-
Use of Bond Proceeds ¹	(1,535,152)	(25,267)	(304,528)						(67,349)			
Existing Debt Service		5,579,040							1,204,155			
Total Deductions	\$(1,535,152)	\$ 5,553,774	\$(304,528)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,136,806	\$ -	\$ -	\$ -
Ending Cash Balance	\$ 7,001,611	\$ 2,015,420	\$ 2,887,532	\$ 3,455,115	\$ 3,955,115	\$ 4,455,115	\$ 4,955,115	\$ 5,455,115	\$ 4,818,310	\$ 5,318,310	\$ 5,818,310	\$ 6,318,310

FY 2021 PROJECTED												
	July	August	September	October	November	December	January	February	March	April	May	June
Debt Service Account												
Beginning Cash Balance	\$ 6,318,310	\$ 6,818,310	\$ 1,542,794	\$ 2,042,794	\$ 2,542,794	\$ 3,042,794	\$ 3,542,794	\$ 4,042,794	\$ 4,542,794	\$ 3,815,859	\$ 4,315,859	\$ 4,815,859
Additions												
From Rates	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000
From Capital Restricted Acct.	-	-	-	-	-	-	-	-	-	-	-	-
Interest Income	-	-	-	-	-	-	-	-	-	-	-	-
Total Additions	\$ 500,000	\$ 500,000	\$ 500,000	\$ 500,000	\$ 500,000	\$ 500,000	\$ 500,000	\$ 500,000	\$ 500,000	\$ 500,000	\$ 500,000	\$ 500,000
Deductions												
To Capital Restricted Acct.	-	-	-	-	-	-	-	-	-	-	-	-
Existing Debt Service		5,775,515							1,226,935			
Total Deductions	\$ -	\$ 5,775,515	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,226,935	\$ -	\$ -	\$ -
Ending Cash Balance	\$ 6,818,310	\$ 1,542,794	\$ 2,042,794	\$ 2,542,794	\$ 3,042,794	\$ 3,542,794	\$ 4,042,794	\$ 4,542,794	\$ 3,815,859	\$ 4,315,859	\$ 4,815,859	\$ 5,315,859

¹- The bond proceeds are not actually deposited into the Debt Service Restricted account, but are shown in this way so that the effect on the account balance is reflected on this schedule.

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FY 2022 PROJECTED												
July	August	September	October	November	December	January	February	March	April	May	June	
Debt Service Account												
Beginning Cash Balance	\$ 5,315,859	\$ 5,927,310	\$ 592,614	\$ 1,204,065	\$ 1,815,515	\$ 2,426,966	\$ 3,038,417	\$ 3,649,868	\$ 4,261,319	\$ 3,711,127	\$ 4,322,578	\$ 4,934,029
Additions												
From Rates	\$611,451	\$611,451	\$611,451	\$611,451	\$611,451	\$611,451	\$611,451	\$611,451	\$611,451	\$611,451	\$611,451	\$611,451
From Capital Restricted Acct.	-	-	-	-	-	-	-	-	-	-	-	-
Interest Income	-	-	-	-	-	-	-	-	-	-	-	-
Total Additions	\$ 611,451	\$ 611,451	\$ 611,451	\$ 611,451	\$ 611,451	\$ 611,451	\$ 611,451	\$ 611,451	\$ 611,451	\$ 611,451	\$ 611,451	\$ 611,451
Deductions												
To Capital Restricted Acct.	-	-	-	-	-	-	-	-	-	-	-	-
Existing Debt Service	-	5,946,147	-	-	-	-	-	1,161,643	-	-	-	-
Total Deductions	\$ -	\$ 5,946,147	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,161,643	\$ -	\$ -	\$ -	\$ -
Ending Cash Balance	\$ 5,927,310	\$ 592,614	\$ 1,204,065	\$ 1,815,515	\$ 2,426,966	\$ 3,038,417	\$ 3,649,868	\$ 4,261,319	\$ 3,711,127	\$ 4,322,578	\$ 4,934,029	\$ 5,545,480

FY 2023 PROJECTED												
July	August	September	October	November	December	January	February	March	April	May	June	
Debt Service Account												
Beginning Cash Balance	\$ 5,545,480	\$ 6,156,930	\$ 586,244	\$ 1,197,695	\$ 1,809,146	\$ 2,420,597	\$ 3,032,048	\$ 3,643,499	\$ 4,254,950	\$ 3,714,040	\$ 4,325,491	\$ 4,936,942
Additions												
From Rates	\$611,451	\$611,451	\$611,451	\$611,451	\$611,451	\$611,451	\$611,451	\$611,451	\$611,451	\$611,451	\$611,451	\$611,451
From Capital Restricted Acct.	-	-	-	-	-	-	-	-	-	-	-	-
Interest Income	-	-	-	-	-	-	-	-	-	-	-	-
Total Additions	\$ 611,451	\$ 611,451	\$ 611,451	\$ 611,451	\$ 611,451	\$ 611,451	\$ 611,451	\$ 611,451	\$ 611,451	\$ 611,451	\$ 611,451	\$ 611,451
Deductions												
To Capital Restricted Acct.	-	-	-	-	-	-	-	-	-	-	-	-
Existing Debt Service	-	6,182,137	-	-	-	-	-	1,152,360	-	-	-	-
Total Deductions	\$ -	\$ 6,182,137	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,152,360	\$ -	\$ -	\$ -	\$ -
Ending Cash Balance	\$ 6,156,930	\$ 586,244	\$ 1,197,695	\$ 1,809,146	\$ 2,420,597	\$ 3,032,048	\$ 3,643,499	\$ 4,254,950	\$ 3,714,040	\$ 4,325,491	\$ 4,936,942	\$ 5,548,393

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FY 2024 PROJECTED												
July	August	September	October	November	December	January	February	March	April	May	June	
Debt Service Account												
Beginning Cash Balance	\$ 5,548,393	\$ 6,159,844	\$ 508,848	\$ 1,120,299	\$ 1,731,750	\$ 2,343,201	\$ 2,954,652	\$ 3,566,103	\$ 4,177,554	\$ 3,717,021	\$ 4,328,472	\$ 4,939,923
Additions												
From Rates	\$611,451	\$611,451	\$611,451	\$611,451	\$611,451	\$611,451	\$611,451	\$611,451	\$611,451	\$611,451	\$611,451	\$611,451
From Capital Restricted Acct.	-	-	-	-	-	-	-	-	-	-	-	-
Interest Income	-	-	-	-	-	-	-	-	-	-	-	-
Total Additions	\$ 611,451	\$ 611,451	\$ 611,451	\$ 611,451	\$ 611,451	\$ 611,451	\$ 611,451	\$ 611,451	\$ 611,451	\$ 611,451	\$ 611,451	\$ 611,451
Deductions												
To Capital Restricted Acct.	-	-	-	-	-	-	-	-	-	-	-	-
Existing Debt Service	-	6,262,447	-	-	-	-	-	1,071,984	-	-	-	-
Total Deductions	\$ -	\$ 6,262,447	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,071,984	\$ -	\$ -	\$ -	\$ -
Ending Cash Balance	\$ 6,159,844	\$ 508,848	\$ 1,120,299	\$ 1,731,750	\$ 2,343,201	\$ 2,954,652	\$ 3,566,103	\$ 4,177,554	\$ 3,717,021	\$ 4,328,472	\$ 4,939,923	\$ 5,551,373

FY 2025 PROJECTED												
July	August	September	October	November	December	January	February	March	April	May	June	
Debt Service Account												
Beginning Cash Balance	\$ 5,551,373	\$ 6,162,824	\$ 434,357	\$ 1,045,808	\$ 1,657,259	\$ 2,268,710	\$ 2,880,161	\$ 3,491,612	\$ 4,103,063	\$ 3,728,907	\$ 4,340,358	\$ 4,951,809
Additions												
From Rates	\$611,451	\$611,451	\$611,451	\$611,451	\$611,451	\$611,451	\$611,451	\$611,451	\$611,451	\$611,451	\$611,451	\$611,451
From Capital Restricted Acct.	-	-	-	-	-	-	-	-	-	-	-	-
Interest Income	-	-	-	-	-	-	-	-	-	-	-	-
Total Additions	\$ 611,451	\$ 611,451	\$ 611,451	\$ 611,451	\$ 611,451	\$ 611,451	\$ 611,451	\$ 611,451	\$ 611,451	\$ 611,451	\$ 611,451	\$ 611,451
Deductions												
To Capital Restricted Acct.	-	-	-	-	-	-	-	-	-	-	-	-
Existing Debt Service	-	6,339,918	-	-	-	-	-	985,606	-	-	-	-
Total Deductions	\$ -	\$ 6,339,918	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 985,606	\$ -	\$ -	\$ -	\$ -
Ending Cash Balance	\$ 6,162,824	\$ 434,357	\$ 1,045,808	\$ 1,657,259	\$ 2,268,710	\$ 2,880,161	\$ 3,491,612	\$ 4,103,063	\$ 3,728,907	\$ 4,340,358	\$ 4,951,809	\$ 5,563,260

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	FY 2026 PROJECTED											
	July	August	September	October	November	December	January	February	March	April	May	June
Debt Service Account												
Beginning Cash Balance	\$ 5,563,260	\$ 6,174,711	\$ 364,630	\$ 976,081	\$ 1,587,532	\$ 2,198,983	\$ 2,810,434	\$ 3,421,884	\$ 4,033,335	\$ 3,751,437	\$ 4,362,888	\$ 4,974,339
Additions												
From Rates	\$611,451	\$611,451	\$611,451	\$611,451	\$611,451	\$611,451	\$611,451	\$611,451	\$611,451	\$611,451	\$611,451	\$611,451
From Capital Restricted Acct.	-	-	-	-	-	-	-	-	-	-	-	-
Interest Income	-	-	-	-	-	-	-	-	-	-	-	-
Total Additions	\$ 611,451	\$ 611,451	\$ 611,451	\$ 611,451	\$ 611,451	\$ 611,451	\$ 611,451	\$ 611,451	\$ 611,451	\$ 611,451	\$ 611,451	\$ 611,451
Deductions												
To Capital Restricted Acct.	-	-	-	-	-	-	-	-	-	-	-	-
Existing Debt Service	-	6,421,532	-	-	-	-	-	-	893,349	-	-	-
Total Deductions	\$ -	\$ 6,421,532	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 893,349	\$ -	\$ -	\$ -
Ending Cash Balance	\$ 6,174,711	\$ 364,630	\$ 976,081	\$ 1,587,532	\$ 2,198,983	\$ 2,810,434	\$ 3,421,884	\$ 4,033,335	\$ 3,751,437	\$ 4,362,888	\$ 4,974,339	\$ 5,585,790

FY 2018 Retail Billed Consumption (kgal). Data from Demand Detail tab.

	<u>July</u>	<u>August</u>	<u>September</u>	<u>October</u>	<u>November</u>	<u>December</u>	<u>January</u>	<u>February</u>	<u>March</u>	<u>April</u>	<u>May</u>	<u>June</u>	<u>Total</u>	<u>Avg Day</u>	<u>Max Mon</u>	<u>Avg Day</u> <u>Max Mo</u>
Residential	52,362	64,716	69,990	62,297	48,926	48,061	44,626	48,685	39,432	42,966	38,874	48,071	609,006	1,669	69,990	2,333
Non Residential	36,858	46,992	54,230	50,289	41,153	35,023	29,626	25,695	24,909	29,654	27,064	36,662	438,155	1,200	54,230	1,808
Navy	13,621	12,855	17,843	14,959	15,133	16,550	18,345	16,569	16,252	17,537	15,038	18,223	192,925	529	18,345	612
Portsmouth	31,510	42,590	42,860	36,810	34,810	25,806	25,230	29,340	24,290	21,540	27,590	27,330	369,706	1,013	42,860	1,429

	<u>Based on Monthly Billing Data</u>	
	<u>Residential</u>	<u>Non Residential</u>
FY 2018 Average Day (MGD)	1.67	1.20
Avg. Day of Max Month (MGD)	2.33	1.81
MM/AD Factor	1.40	1.51
System MD/MM Ratio	1.16	1.16
Weekly Usage Adjustment	1.20	1.17
Max Day Capacity Factor	1.95	2.04

	<u>Based on Daily Meter Data²</u>	
	<u>Navy</u>	<u>PWFD</u>
FY 2018 Average Day	0.54	1.02
FY 18 Maximum Day	0.89	1.96
Max Day/Avg Day	1.66	1.92

2 - Max Day Demand Factors for PWFD and the Navy are based on daily meter read data. PWFD data provided by W. McGlenn. Navy data gathered using data profilers installed on Navy meters.

System Avg. Day	5.43
System Max Day	7.91
Avg. Day of System Max. Month	6.82
System MD/MM Ratio	1.16

Max Day Diversity Factor Calculation	<u>Residential</u>	<u>Non-Residential</u>	<u>Navy</u>	<u>PWFD</u>	
Class Average Day (mgd)	1.67	1.20	0.53	1.02	
Class MD Demand Factor	1.95	2.04	1.66	1.92	Total MD Demand
Max Day Demand (Avg. Day X MD Demand Factor)	3.25	2.45	0.88	1.96	8.5
System Average Day (mgd)	5.43		Year	2018	
System Maximum Day (mgd)	7.91				
System Maximum Hour (mgd)	15.90				
	MD Demand		AD Demand	=	
Noncoincident MD Capacity Factor	8.54	/	5.43	=	1.57
Coincident MD Capacity Factor	7.91	/	5.43	=	1.46
			Max Day Diversity Factor		1.08

Maximum Hour Demand Factor Calculation	<u>Residential</u>	<u>Non-Residential</u>	<u>Navy*</u>	<u>PWFD</u>	
MD Capacity Factor	1.95	2.04	1.66	1.92	
Estimated Maximum-Hour (MH)/MD Ratio ³	1.33	1.50		1.33	
Calculated MH Capacity Factor	2.60	3.07	2.36	2.56	

Max Hour Diversity Factor Calculation	<u>Residential</u>	<u>Non-Residential</u>	<u>Navy</u>	<u>PWFD</u>	
Class Average Day (mgd)	1.67	1.20	0.53	1.02	
Class MH Demand Factor	2.60	3.07	2.36	2.56	Total MH Demand
Max Hour Demand (Avg. Day X MH Demand Factor)	4.33	3.68	1.25	2.61	11.88
System Average Day (mgd)	5.43				
System Maximum Day (mgd)	7.91				
System Maximum Hour (mgd)	15.90				
	MH Demand		AD Demand	=	
Noncoincident MH Capacity Factor	11.88	/	5.43	=	2.19
Coincident MH Capacity Factor	15.90	/	5.43	=	2.93
			Max Hour Diversity Factor		0.75

3- MH/MD Ratio Assumptions:

- Residential =24 hr. / 18 hr.
- Commercial =24 hr. / 16 hr.
- Navy =24 hr. / 18 hr.
- PWFD =24 hr. / 18 hr.

* Navy Max Hour developed using hourly meter data.

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Rhode Island Public Utilities Commission
 Docket 4933
 FY 2020 Rate Filing
 HJS Schedule D-4 Joint Settlement Revised
 Demand Summary

	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018
Fiscal Year Annual Demand								
Residential	640,966	618,574	663,331	651,514	670,930	621,387	643,010	609,006
Non-Residential	502,475	472,437	485,331	446,842	467,568	440,354	457,187	438,155
Navy	137,731	222,858	250,769	276,891	217,265	193,192	180,514	192,925
Portsmouth	398,827	407,837	411,578	455,255	410,309	381,114	380,190	369,706
Total 1000's Gallons	1,679,999	1,721,706	1,811,009	1,830,502	1,766,072	1,636,047	1,660,901	1,609,792

Max Month Demand

(1000's of gallons)

	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018
Residential	83,630		196,307	185,908	76,838	69,250	83,397	69,990
Commercial	61,978		67,646	78,970	58,767	52,691	60,766	54,230
Navy	24,640		25,677	33,876	30,167	24,095	18,507	18,345
Portsmouth	46,840		51,672	50,961	45,224	43,180	51,240	42,860
NonCoincident Max Month	217,088	-	341,302	349,715	210,996	189,216	213,910	185,425

Unbilled for Water Analysis

	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	3 Year Average	2 Year Average
Billed Consumption (1,000 gals.)	1,679,999	1,721,706	1,811,009	1,830,502	1,766,072	1,636,047	1,660,901	1,609,792	1,635,580	1,635,347
Total Water Produced (1,000 gals.)	2,304,024	2,059,646	2,071,219	2,115,343	2,027,100	1,983,261	1,960,371	1,981,660	1,975,097	1,971,016
Unaccounted for Water (1,000 gals.)	624,026	337,940	260,210	284,841	261,028	347,214	299,470	371,868	339,517	335,669
Percent Unaccounted for Water	27.08%	16.41%	12.56%	13.47%	12.88%	17.51%	15.28%	18.77%	17.1830%	17.03%

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Rhode Island Public Utilities Commission
 Docket 4933
 FY 2020 Rate Filing
 HJS Schedule D-7 Joint Settlement Revised
 Expense Detail - Administration

Account	Description	comments	Calculation FY 2020	Docket 4595	Budget 2018	Actual FY 2018 Test Year	Change from Test year to Proposed	Proposed FY 2020 Rate Year
50001	Salaries & Wages							
	Director of Utilities - 60%	S-13	\$ 87,347					
	Administrative Secretary - 60%	S-04	\$ 34,986					
	Deputy Director - Finance - 60%	S-11	\$ 66,733					
	Deputy Director - Engineering - 60%	S-11	\$ 76,332					
	Financial Analyst 50%	N03-5	\$ 32,520					
	Total		\$ 297,917	\$281,582	\$286,219	\$ 286,942	\$10,975	\$ 297,917
50044	Standby Salaries							
		3 employees						
	3 employees per week at \$120 per week	\$120 per week	\$ 18,720	\$18,720	\$18,720	\$ 18,857	-\$137	\$ 18,720
		52 wks.				error - reclass \$5,760		
50520	Severance Benefits							
	vacation payout & sick time payout	fy 2018					\$0	\$ -
	paid from restricted bank account	4 employees	\$91,327					
50100	Employee Benefits							
	Director of Utilities - 60%	S-13	\$ 37,338					
	Administrative Secretary - 60%	S-04	\$ 22,638					
	Deputy Director - Finance - 60%	S-11	\$ 32,008					
	Deputy Director - Engineering - 60%	S-11	\$ 23,737					
	Financial Analyst 50%	N03-5	\$ 20,300					
	FICA on standby salaries, leave buyback, severance		\$ 1,623					
	Total		\$ 137,644	\$ 137,644	\$115,683	\$ 139,015	-\$3,249	\$ 137,644
							Rebuttal Adjustment	\$ (1,878)
							Rebuttal Amount	\$ 135,766
50103	Retiree Insurance Coverage							
		Fy 2019 rates monthly	\$28,441					
			\$3,791					
			\$32,232	\$ 386,784	\$265,000	\$ 372,907	\$11,104	\$ 386,784
							Rebuttal Adjustment	\$ (2,773)
							Rebuttal Amount	\$ 384,011
50105	Workers Compensation							
		Premium fy 2018-2019	\$55,985					
		Quarterly direct charges	\$1,400					

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Rhode Island Public Utilities Commission
 Docket 4933
 FY 2020 Rate Filing
 HJS Schedule D-7 Joint Settlement Revised
 Expense Detail - Administration

Account	Description	comments	Calculation FY 2020	Docket 4595	Budget 2018	Actual FY 2018 Test Year	Change from Test year to Proposed	Proposed FY 2020 Rate Year
		fy 2018 included audit adj of \$15.5k for 2016-7	\$57,385	\$64,000	\$64,000	\$ 78,304	\$37,122	\$57,385
							Rebuttal Adjustment	\$ 58,041
							Rebuttal Amount	\$ 115,426
50175	Annual Leave Buyback	3 year average	\$ 2,500	\$3,300	\$3,300	\$ 3,750	-\$1,250	\$ 2,500
50207	Advertisement	use existing budget	\$ 9,000	\$9,000	\$9,000	\$ 2,481	\$1,519	\$ 9,000
							Rebuttal Adjustment	\$ (5,000)
							Rebuttal Amount	\$ 4,000
50210	Membership Dues & Subscriptions							
		2018	2020					
	RIWWA (7)	\$350	\$350					
	RI Secretary of State Notary Public	\$160	\$80					
	RI PE License (2)		\$600					
	AWWA dues	\$4,022	\$4,025					
	Total	\$4,532	\$5,055	\$5,055	\$2,500	\$2,500	\$ 4,532	\$523
								\$ 5,055
50212	Conferences & Training	use existing budget	\$ 4,000	\$4,000	\$4,000	\$ 410	\$2,036	\$ 4,000
							Settlement Adjustment	\$ (1,554)
							Settlement Amount	\$ 2,446
50214	Tuition Reimbursement	use existing budget	\$2,000	\$2,000	\$2,000	\$ -	\$2,000	\$ 2,000
50220	Consultant Fees	2018	2020	3 year amortization				
	Legal Fees Includes Rate Case	\$8,400	\$126,910	\$42,303				
	Financial Consultant Rate case		\$71,130	\$ 23,710				
	PUC Rate Case Fees		\$40,000	\$13,333				
	Legal fees (non rate case)		\$8,400	\$8,400				
	Bank Trustee Fees	\$5,100	\$5,100	\$5,100				
	Wimborne property tax advisor	\$775	\$775	\$775				
	Total	\$14,275	\$252,315	\$93,622	\$136,878	\$136,878	\$ 14,275	\$79,347
							Settlement Adjustment	\$ (158,694)
							Settlement Amount	\$93,622

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 FY 2020 Rate Filing
 HJS Schedule D-7 Joint Settlement Revised
 Expense Detail - Administration

Account	Description	comments	Calculation FY 2020	Docket 4595	Budget 2018	Actual FY 2018 Test Year	Change from Test year to Proposed	Proposed FY 2020 Rate Year	
50238	Postage	USPS & Fedx	\$1,000	\$1,000	\$1,000	\$ 941	\$59	\$ 1,000	
50239	Fire & Liability Insurance	premium for fy2018-2019	\$36,500	\$36,500	\$67,000	\$ 78,689	-\$42,189	\$ 36,500	
50251	Telephone & Communication	monthly @ \$543 iPads 6 @ \$40 device replacement	\$6,520 \$2,880 <u>\$1,200</u> \$10,600	\$10,600	\$5,600	\$ 5,600	\$ 10,808	-\$208	\$ 10,600
50261	Property Taxes	2019 with 2%							
		Portsmouth	\$440,210	\$449,014					
		Tiverton	\$36,565	\$37,296					
		Little Compton	\$11,756	\$11,991					
		Middletown	<u>\$58,000</u>	<u>\$59,160</u>					
	Total		\$548,550	\$557,462	\$557,462	\$ 535,316	\$11,915	\$ 557,462	
							Rebuttal Adjustment	\$ (10,231)	
							Rebuttal Amount	\$ 547,231	
50266	Legal & Administrative	updated to FY 2019 Budget	\$ 328,312	\$333,848	\$333,848	\$ 333,848	-\$5,536	\$ 328,312	
50267	Data Processing (MIS)	updated to FY 2019 Budget	\$ 343,175	\$231,161	\$231,161	\$ 231,161	\$112,014	\$ 343,175	
50268	Mileage Allowance		\$ 2,000	\$2,000	\$2,000	\$ 392	\$1,608	\$ 2,000	
50271	Gasoline & Vehicle Allowance	cost per vehicle # of vehicles	\$6,410 <u>1.00</u>						
	Total		\$ 6,410	\$ 6,410	\$5,389	\$ 5,389	\$ 10,723	-\$4,313	\$ 6,410
							Rebuttal Adjustment	\$ (1,028)	
							Rebuttal Amount	\$ 5,382	
50275	Repairs & Maintenance	misc exp	\$ 1,000	\$ 1,000	\$1,200	\$1,200	\$1,000	\$ 1,000	

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 HJS Schedule D-7 Joint Settlement Revised
 Expense Detail - Administration

Account	Description	comments	Calculation FY 2020	Docket 4595	Budget 2018	Actual FY 2018 Test Year	Change from Test year to Proposed	Proposed FY 2020 Rate Year
50280	Regulatory Expense							
		misc exp	\$ 1,500	\$ 1,500	\$ 5,000	\$ 5,000	\$ 906	\$ 1,500
							-\$406	
							Rebuttal Adjustment	\$ (1,000)
							Rebuttal Amount	\$ 500
50281	Regulatory Assessment							
			FY 2018	FY 2020				
		RI Div. of PUC - Assessment	\$89,946	\$110,823				
		RI Dept. of Health - License	\$21,810	\$21,810				
		RIWWA Assessment	\$700	\$700				
		Total	\$112,456	\$133,333	\$ 133,500	\$ 80,000	\$ 80,000	\$ 112,456
							\$ 3,702	\$ 133,500
							Rebuttal Adjustment	\$ (17,342)
							Rebuttal Amount	\$ 116,158
50305	Water							
		total	\$150 avg per mo	\$1,800	\$2,015	\$2,015	\$ 1,725	\$ 1,800
							\$ 75	
50306	Electricity							
	70 Halsey St.		2 yr. avg					
		kwh usage	37,332					
		total cost	\$6,950	\$6,950	\$7,956	\$7,956	\$ 7,293	\$6,950
							\$ 108	\$660
							Rebuttal Adjustment	\$660
							Rebuttal Amount	\$7,610
							Settlement Adjustment	\$ (209)
							Settlement Amount	\$7,401
50307	Natural Gas							
			2 yr. avg					
		therms	4533					
		cost	\$ 5,125	\$ 5,125	\$ 5,226	\$ 5,226	\$ 5,504	\$ 5,125
							-\$934	
							Rebuttal Adjustment	\$ (555)
							Rebuttal Amount	\$ 4,570
50361	Office Supplies							
			3 year avg					
		2016	\$12,137					
		2017	\$13,258	\$12,000	\$ 11,845	\$15,000	\$ 15,572	\$ 10,136
		2018	\$10,136				\$ 1,709	\$ 11,845
50464	Water Revenue reserve							
		"not included in budget"	\$ 254,733				\$0	

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 FY 2020 Rate Filing
 HJS Schedule D-7 Joint Settlement Revised
 Expense Detail - Administration

Account	Description	comments	Calculation FY 2020	Docket 4595	Budget 2018	Actual FY 2018 Test Year	Change from Test year to Proposed	Proposed FY 2020 Rate Year
50505	Self Insurance		\$ 5,000	\$5,000	\$5,000	\$ 2,584	-\$2,084	\$ 5,000
							Rebuttal Adjustment	\$ (2,500)
							Rebuttal Amount	\$ 2,500
							Settlement Adjustment	\$ (2,000)
							Settlement Amount	\$ 500
Total			\$2,560,427	\$2,237,828	\$2,267,479	\$ 2,263,955	\$216,510	\$ 2,479,437
		<i>check</i>	\$ 2,479,437	\$2,237,828		\$ 2,414,709		

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Rhode Island Public Utilities Commission
 Docket 4933
 FY 2020 Rate Filing
 HJS Schedule D-8 Joint Settlement Revised
 Expense Detail - Customer Service
 15-500-2209

Account	Description	Comments detail for 2020	Calculation FY 2020	Change from			Proposed FY 2020 Rate Year
				Docket 4595	Budget 2018	Actual FY 2018 Test Year	
50001	Salaries & Wages						
	Meter Repairman/Reader	U2-1	\$41,112				
	Prin. Account Clerk	U2-1	\$47,876				
	Meter Repairman/Reader	U2-7	\$50,878				
	Maintenance Mechanic	U2-8	\$53,755				
	Billing Clerk 50% allocation	U4-1	\$23,938				
	Meter Repairman/Reader	U3-5	\$51,298				
	Water Meter Foreman	U6-5	\$64,557				
	Total		\$333,414	\$297,917	\$316,581	\$291,674	\$41,740 \$333,414
50002	Overtime						
	seasonal shutoff notices	2 yr avg	\$2,700	\$5,409	\$5,409	\$2,611	(\$40) \$2,700
							Rebuttal Adjustment -129
							Rebuttal Amount \$2,571
50004	Temp Salaries			\$14,976	\$14,976	\$0	\$0 \$0
50100	Employee Benefits						
	Meter Repairman/Reader	U2-1	\$32,275				
	Prin. Account Clerk	U4-1	\$35,345				
	Meter Repairman/Reader	U2-7	\$36,264				
	Maintenance Mechanic	U2-8	\$36,608				
	Billing Clerk 50% allocation	U4-1	\$17,673				
	Meter Repairman/Reader	U3-5	\$36,393				
	Water Meter Foreman	U6-5	\$40,451				
	FICA on OT, Temp salaries & Leave Buyback		<u>\$524</u>				
	Total		\$235,533	\$235,010	\$174,457	\$173,340	\$62,672 \$235,533
							Rebuttal Adjustment \$ 479
							Rebuttal Amount \$236,012
50120	Bank Fees (lock box)	\$1,200 per month	\$ 14,400	\$16,800	\$16,800	\$13,298	\$1,102 \$14,400
50175	Annual Leave Buyback	3 year average	\$4,150	\$4,150	\$4,500	\$2,526	\$1,624 \$4,150
50205	Copying & binding		600	\$500	\$500	\$532	\$68 \$600

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 Docket 4933
 FY 2020 Rate Filing
 HJS Schedule D-8 Joint Settlement Revised
 Expense Detail - Customer Service
 15-500-2209

Account	Description	Comments detail for 2020	Calculation FY 2020	Change from		Proposed FY 2020 Rate Year
				Docket 4595	Budget 2018	
50212	Conferences & Training					
	Backflow Prevention Device Inspectors / Tester					
	Recertification Training		\$700			
	Cross Connection Control Surveyor					
	Trainign & Certification		\$1,150			
	Fundamentals of Cross Conection Control		\$850			
	American Backflow Prevention Association		\$300			
	Total		\$3,000	\$5,000	\$5,000	\$840
						\$995
						\$3,000
						Settlement Adjustment \$ (1,165)
						Settlement Amount \$1,835
50225	Support Services					
	Printing & mailing (TouchPoint Communications)		\$16,275			
	Opal Maintenance Contract		\$5,700			
	Beacon Mobile License		\$4,900			
	Beacon Mobile Hosting		\$21,240			
	Badger/orion service contract		\$3,500			
	total		\$51,615	\$26,175	\$26,175	\$19,252
						\$26,663
						\$51,615
						Rebuttal Adjustment \$ (5,700)
						Rebuttal Amount \$45,915
50238	Postage					
	Postage paid thru printer	\$5,300 mo.	\$63,600			
	USPS direct paid	\$50 per mo.	\$600			
	total		\$64,200	\$74,680	\$74,680	\$62,307
						\$1,893
						\$64,200
50271	Gasoline & Vehicle Allowance	cost per vehicle	\$6,410			
		# vehicles	5			
			\$32,050	\$26,945	\$26,945	\$30,831
						\$1,219
						\$32,050
						Rebuttal Adjustment \$ 536
						Rebuttal Amount \$ 32,586
50275	Repairs & Maintenance					
	Small Meters		\$10,000			
	Large Meters		\$10,000			
	Meter Pits		\$3,500			
	Strainers		\$2,000			
	Misc Parts and/or repair		\$2,700			
	meter gun repair					
	Trimble Handheld Repair and / or Replacement		\$3,850			
	CE /ME Receiver Repair and / or Replacement		\$2,950			
	Total		\$35,000	\$35,000	\$39,880	\$22,708
						\$12,292
						\$35,000

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 FY 2020 Rate Filing
 HJS Schedule D-8 Joint Settlement Revised
 Expense Detail - Customer Service
 15-500-2209

Account	Description	Comments detail for 2020	Calculation FY 2020			Actual FY 2018 Test Year	Change from Test year to Proposed	Proposed FY 2020 Rate Year
				Docket 4595	Budget 2018			
50299	Meter Maintenance							
		Appurtenant piping, tail pieces, ss fasteners	\$3,500					
		Annual Calibration of Navy meters	\$2,500					
		reducing flanges						
		Annual Calibration of Portable Meter Tester	\$750					
		Certification of Backflow Testing Equipment	\$250					
		Reducing Flanges	\$2,000					
		Misc. Aprts	\$1,000					
		Total	\$10,000	\$10,000	\$10,000	\$7,696	\$2,304	\$10,000
50311	Operating Supplies							
		Repair External meter devices	\$2,500					
		new tool & misc costs	\$2,500					
		gas detectors						
		confined space entry equipment						
		Machine & Tool Lubricant, Replace Blades, Drill Bits, etc						
		Tools (crimping, cutting, drilling, etc.)						
		Service and Pit Keys						
		Total	\$5,000	\$5,000	\$5,000	\$7,924	(\$3,268)	\$5,000
							<i>Settlement Adjustment</i>	<i>\$ (344)</i>
							<i>Settlement Amount</i>	<i>\$4,656</i>
50320	Uniforms & protective Gear							
		Unifirst uniforms	\$1,450					
		Safety Vests	\$150					
		Hi Viz Jackets	\$300					
		Gloves, Safety Glasses, Respirator, etc.	\$550					
		Total	\$2,450	\$1,000	\$1,000	\$0	\$2,450	\$2,450
50380	Customer Service Supplies							
		Conservation material	\$ 3,000	\$5,000	\$5,000	\$1,951	\$1,049	\$3,000
Total			\$ 797,112	\$763,562	\$726,903	\$637,490	\$152,763	\$790,789

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Rhode Island Public Utilities Commission
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 FY 2020 Rate Filing
 HJS Schedule D-9 Joint Settlement Revised
 Expense Detail - Source of Supply - Island
 15-500-2212

Account	Description	Comments	Calc	Docket 4595	Budget 2018	Actual FY 2018 Test Year	Change from Test year to Proposed	Proposed FY 2020 Rate Year
50001	Salaries & Wages							
	Dist/Collect Operator		U3-7	\$56,404				
	Dist/Collection Foreman		U5-7	\$64,233				
	Dist/Collect Mechanic		U4-5	\$53,391				
	Laborer		U2-7	\$41,112				
	Dist/Collect Operator		U3-5	\$51,888				
	Super., Water Dist/Collect		N5-10	\$91,252				
	Allocate 50% (Distribution)			-\$45,626				
	Total			\$312,654	\$ 309,950	\$ 316,074	\$ 297,103	\$ 15,551
								\$312,654
50002	Overtime							
	2 year average with union increase of 2% per year			\$ 25,000	\$ 33,000	\$ 33,000	\$ 27,936	\$ (7,279)
								\$ 25,000
								\$ (4,343)
								\$ 20,657
50004	Temp Salaries							
	2 people 19 weeks @\$15/hour			\$ 22,800	\$ 26,180	\$ 26,180	\$ 20,270	\$ (13,353)
								\$ 22,800
								\$ (15,883)
								\$ 6,917
50100	Employee Benefits							
	Dist/Collect Operator		U3-7	\$37,956				
	Dist/Collection Foreman		U5-7	\$39,710				
	Dist/Collect Mechanic		U4-5	\$37,034				
	Laborer		U2-7	\$33,275				
	Dist/Collect Operator		U3-5	\$36,574				
	Super., Water Dist/Collect		N5-10	\$47,710				
	Allocate 50% (Distribution)			-\$23,855				
	FICA on OT Temp & Leave buyback			\$3,787				
	Total			\$212,190	\$ 174,277	\$ 181,688	\$ 175,319	\$ 37,277
								\$ 212,190
								\$ 406
								\$212,596

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 HJS Schedule D-9 Joint Settlement Revised
 Expense Detail - Source of Supply - Island
 15-500-2212

Account	Description	Comments	Calc	Docket 4595	Budget 2018	Actual FY 2018 Test Year	Change from Test year to Proposed	Proposed FY 2020 Rate Year
50175	Annual Leave Buyback		3 yr avg	\$ 1,700	\$ 3,800	\$ -	\$ 1,700	\$ 1,700
50306	Contribution to Electricity Restricted Account St Mary's & Paradise Pumping Stations		2yr avg					
	kwh Usage		203,960					
	total cost		\$38,789	\$38,789	\$ 49,880	\$ 42,593	\$ (12,146)	\$38,789
								Rebuttal Adjustment \$ (7,481)
								Rebuttal Amount \$31,308
								Settlement Adjustment \$ (861)
								Settlement Amount \$30,447
50271	Gas/Vehicle Maintenance							
	cost per vehicle	\$	6,410					
	vehicles		11					
	total	\$	70,510	\$ 59,279	\$ 59,279	\$ 57,957	\$ 2,086	\$ 70,510
								Rebuttal Adjustment \$ (10,467)
								Rebuttal Amount \$ 60,043
50275	Repairs & Maintenance							
(Industrial & Stonkus)	Annual Maintenance of pumps	\$	1,500					
	Misc Pump & minor repairs	\$	8,500					
	Aluminum boat & boat engine supplies	\$	1,500					
	Trimmers, blowers, chain saw, supplies, repairs & replace	\$	2,000					
	Misc.	\$	500					
	total	\$	14,000	\$ 10,000	\$ 10,115	\$ 481	\$ 13,519	\$ 14,000
50277	Reservoir Maintenance							
	Tree Removal	\$	2,500					
	Dam repairs (gravel, riprap, gabions, etc.)	\$	11,000					
	sign installation & Maintenance	\$	2,000					
	aquatic herbicide & supplies	\$	2,500					
	brush cutter/mower	\$	5,000					
	dam inspections	\$	2,000					
	total	\$	25,000	\$ 16,000	\$ 16,000	\$ 21,424	\$ 3,576	\$25,000

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 HJS Schedule D-9 Joint Settlement Revised
 Expense Detail - Source of Supply - Island
 15-500-2212

Account	Description	Comments	Calc	Docket 4595	Budget 2018	Actual FY 2018 Test Year	Change from Test year to Proposed	Proposed FY 2020 Rate Year
50311	Operating Supplies							
		machine & tool lubricant	\$600					
		parts for trackless	\$700					
		Brush cutter/mower	\$400					
		small mower replacement	\$200					
		coppering bags	\$600					
		replacement blades/brush cutting	\$1,200					
		pest control	\$200					
		weed control (herbicides)	\$2,000					
		cement, grass seed, etc.	\$800					
		other						
		Total	\$6,700	\$ 7,500	\$ 7,500	\$ 9,251	(3,011)	\$6,700
							<i>Settlement Adjustment</i>	\$ (460)
							<i>Settlement Amount</i>	\$6,240
50320	Uniforms & protective Gear							
		UniFirst uniforms	\$1,450					
		Eye,ear & hand protection	\$150					
		Tyvek protective suits & shirts / vests	\$100					
		N95 respirator (dust masks)	\$200					
		insect repellent, poison ivy soap	\$100					
			\$2,000	\$ 1,510	\$ 1,510	\$ 238	1,762	\$ 2,000
50335	Chemicals							
		Copper Sulfate						
		usage in lbs	40,000					
		cost per lb	\$ 1.6200					
			\$ 64,800					
		Green Clean Pro						
		quantity	30,000					
		cost per lb	\$ 1.0000					
			\$ 30,000					
		total cost	\$ 94,800	\$ 66,800	\$ 66,800	\$ 61,200	33,600	\$ 94,800
total			\$ 826,143	\$ 747,085	\$ 771,826	\$ 713,772	73,282	\$ 787,054

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Account	Description	Comments	Docket 4595	Budget 2018	Actual FY 2018 Test Year	Change from Test year to Proposed	Proposed FY 2020 Rate Year
50002	Overtime	3 months (4.3 weeks) one day per week 24 hour day manage Sakonnet in addition to temp 2 year average					
		total	\$ 4,000	\$ 11,610	\$ 11,610	\$ 5,023	\$ 3,899
							\$ 4,000
							<i>Rebuttal Adjustment</i> \$ 4,922
							<i>Rebuttal Amount</i> \$ 8,922
50004	Temp Salaries						
	Sakonnet for 3 months 3 people at 40 hours per week at \$15 per hour	hours rate	1,800				
		total	\$ 27,000	\$ 29,996	\$ 29,996	\$ 21,106	-\$1,341
							\$ 27,000
							<i>Rebuttal Adjustment</i> \$ (7,235)
							<i>Rebuttal Amount</i> \$ 19,765
50005	Permanent Part time	12 months @ \$1,075 Caretaker Sakonnet Pump Station	\$ 12,900	\$ 12,900	\$ 12,900	\$ 6,040	\$ 6,860
	Employee Benefits		\$ 43,900				
50100	FICA 7.65%	on OT, Temporary, Perm Part time Fringe on Part Time,Temp & OT	<u>7.65%</u> \$3,358	\$ 2,525	\$ 2,555	\$ 2,461	\$ 897
							\$ 3,358
50306	Contribution to Electricity Restricted Account Sakonnet pumping Station						
		2 yr avg kwh usage	823,788				
		total cost	\$160,790	\$ 154,424	\$ 154,424	\$ 149,593	-\$11,532
							\$160,790
							<i>Rebuttal Adjustment</i> \$ (18,824)
							<i>Rebuttal Amount</i> \$141,966
							<i>Settlement Adjustment</i> \$ (3,905)
							<i>Settlement Amount</i> \$138,061
50275	Repairs & Maintenance						
	(Industrial & Stonkus)	Annual Maintenance of pumps	\$ 1,500				
		Pump, valve,electrical AC motors(VFD) repairs	\$ 9,000				
		Emergency Repair - pumps / electrical	\$ 2,000				
		Excavator & heavy Equip Rental	\$ 4,000				
		Misc.	\$ 500				

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Account	Description	Comments		Docket 4595	Budget 2018	Actual FY 2018 Test Year	Change from Test year to Proposed	Proposed FY 2020 Rate Year	
		total	\$	17,000	\$7,000	\$7,000	\$ 18,462	-\$1,462	\$ 17,000
50277	Reservoir Maintenance								
		Tree Removal	\$	500					
		aquatic herbicide & supplies	\$	2,500					
		brush cutter/mower	\$	5,000					
		Dam improvement repairs (gravel, riprap, gabions, etc.)	\$	2,000					
		dam inspections	\$	2,000					
		total	\$	12,000	\$4,500	\$4,500	\$ 4,199	\$7,801	\$ 12,000
50311	Operating Supplies								
		machine & tool lubricant, grease guns, etc	\$	200					
		pest control	\$	200					
		misc Supplies (papergoods, cleaners, etc.)	\$	100					
			\$	500	\$1,000	\$1,000	\$ 178	\$288	\$ 500
									\$ (34)
									\$ 466
total			\$	237,548	\$ 223,955	\$ 223,985	\$ 207,062	\$ 5,410	\$ 212,472

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Rhode Island Public Utilities Commission
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 FY 2020 Rate Filing
 HJS Schedule D-11 Joint Settlement Revised
 Expense Detail - Station One
 15-500-2222

Account	Description	Comments	Detail	Calculation	Actual FY 2018			Change from Test year to Proposed	Budget FY 2019		Proposed FY 2020 Rate Year
					Docket 4595	Budget 2018	Test Year		Budget 2015	Budget FY 2019	
50001	Salaries & Wages										
		Water Plant Op - Grade3	U4-7	\$60,254							
		Water Plant Op - PC#3	U2-1	Vacant Position #1							
		Water Plant Op - Grade3	U4-7	\$60,217							
		Water Plant Op - Grade 3	U2-2	\$43,591							
		Water Plant Op - PC#3	U4-7	\$58,308							
		Water Qual/Prod Sup.	S08	\$85,729							
		Allocate 50% (Lawton Valley)		-\$42,864							
		Assist Water Treat Super	S07	\$76,851							
		Allocate 50% (Lawton Valley)		-\$38,426							
		Water Plant Op - PC#3	U4-6	\$56,611							
		Water Plant Op - Grade1	U2-7	\$47,659							
		Water Plant Op - Grade1	U2-3	\$44,898							
		Water Plant Op - Grade3	U4-7	\$60,217							
		Total		\$513,045	\$ 511,075	\$ 558,686	\$ 561,329	\$ (48,284)	519,056	\$547,256	\$ 513,045
50002	Overtime										
		2017 - \$78k									
		2018 - \$92k									
		avg plus 2% in both 2019 & 2020									
		total		\$ 88,500	\$ 102,940	\$ 102,940	\$ 91,625	\$ (5,194)	60,021	\$102,940	\$ 88,500
		<i>Rebuttal Adjustment</i>									
		<i>Rebuttal Amount</i>									
50003	Holiday Pay										
		Operators		9.0							
		Holidays		12							
		Hours/Holiday		8							
		Average Pay Rate		\$ 25.21							
		Total		\$ 21,781	\$ 22,032	\$ 22,032	\$ 20,686	\$ 1,095	18,935	\$22,032	\$ 21,781
50045	Lead Plant Operator Stipend										
		3 staff \$80 per week 52 weeks		\$ 12,480	\$ 12,480	\$ 12,480	\$ 11,240	\$ 1,240	36,492	\$12,480	\$ 12,480

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Rhode Island Public Utilities Commission
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 HJS Schedule D-11 Joint Settlement Revised
 Expense Detail - Station One
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Account	Description	Comments	Detail	Calculation				Change from Test year to Proposed			Proposed FY 2020 Rate Year
					Docket 4595	Budget 2018	Actual FY 2018 Test Year		Budget 2015	Budget FY 2019	
50100	Employee Benefits										
	Water Plant Op - Grade3		U4-7	\$19,726							
	Water Plant Op - PC#3		U2-1	\$0							
	Water Plant Op - Grade3		U4-7	\$38,521							
	Water Plant Op - Grade 3		U2-2	\$34,034							
	Water Plant Op - PC#3		U4-7	\$38,539							
	Water Qual/Prod Sup.		S08	\$45,265							
	Allocate 50% (Lawton Valley)			-\$22,633							
	Assist Water Treat Super		S07	\$43,405							
	Allocate 50% (Lawton Valley)			-\$21,702							
	Water Plant Op - PC#3		U4-6	\$26,001							
	Water Plant Op - Grade1		U2-7	\$23,261							
	Water Plant Op - Grade1		U2-3	\$22,415							
	Water Plant Op - Grade3		U4-7	\$38,521							
	FICA on OT, Stipend, holiday, Leave Buyback			<u>\$10,279</u>							
	Total			295,630	\$ 263,937	\$ 287,885	\$ 280,974	\$ 14,073	\$ 283,712	\$306,323	\$ 295,630
											Rebuttal Adjustment \$ (583)
											Rebuttal Amount \$ 295,047
50175	Annual Leave Buyback		3 year average	\$11,600	\$ 12,000	\$ 12,000	\$ 9,645	\$ 1,955	\$ 5,000	\$12,000	\$11,600
50212	Conferences & Training										
	RIDOH Required Certifications for 10 employees			\$ 1,980							
	Supv/Plant Prod - RIWWA			\$ 150							
	Supv/Plant Prod - NEWWA			\$ 550							
	Conferences & Training			\$ 540							
	Training, travel			\$ 1,000							
	total			\$ 4,500	\$ 4,500	\$ 4,500	\$ 2,190	\$ 562	\$ 4,500	\$4,500	\$ 4,500
											Settlement Adjustment \$ (1,748)
											Settlement Amount \$ 2,752
50239	Fire & Liability Insurance										
	RI Interlocal		Premium for fy 2018-2019	\$ 64,765	\$ 35,000	\$ 35,000	\$ 28,331	\$ 36,434	\$ 12,687	\$35,000	\$ 64,765

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 Expense Detail - Station One
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Account	Description	Comments	Detail	Calculation	Docket 4595	Budget 2018	Actual FY 2018 Test Year	Change from Test year to Proposed	Budget 2015	Budget FY 2019	Proposed FY 2020 Rate Year
50306	Contribution to Electricity Restricted Account	100 Bliss Mine Rd	2 yr avg kwh usage cost	1,438,960 \$ 226,185	\$ 212,484	\$ 212,484	\$ 223,249	\$ (112)	\$ 252,674	\$ 212,484	\$ 226,185
										Rebuttal Adjustment	\$ 3,263
										Rebuttal Amount	\$ 229,448
										Settlement Adjustment	\$ (6,311)
										Settlement Amount	\$ 223,137
50307	Natural Gas		2 yr avg therms cost	22,194 \$ 17,840	\$ 43,410	\$ 43,410	\$ 32,402	\$ (1,934)	\$ 24,250	\$ 43,410	\$ 17,840
										Rebuttal Adjustment	\$ 12,628
										Rebuttal Amount	\$ 30,468
50260	Rental of Equipment	Dumpster Rentals chemical cylinders		\$ 850 \$ 150							
		total		\$ 1,000	\$ 1,000	\$ 1,000	\$ 1,854	\$ (854)	\$ 600	\$ 1,000	\$ 1,000
50305	Sewer Charge		2 yr average gallons \$/Gal Cost	5,800,000 \$ 20.50 \$ 118,900	\$ 204,000	\$ 204,000	\$ 99,180	\$ 25,718	\$ 293,020	\$ 204,000	\$ 118,900
										Rebuttal Adjustment	\$ 5,998
										Rebuttal Amount	\$ 124,898
50271	Gas/Vehicle Maintenance		cost per vehic vehicles	\$ 6,410 1	\$ 5,389	\$ 5,389	\$ 7,050	\$ 3,006	\$ 8,360	\$ 5,389	\$ 6,410
										Rebuttal Adjustment	\$ 3,646
										Rebuttal Amount	\$ 10,056
50275	Repairs & Maintenance	Variable frequency Drives Gas Boilers & Hot water Heater Backup Generators-annual service transfer switches SCADA Maintenance & repair Analyzer service Building Systems & AC service contact DAF Compressors Fire Panel Maintenance Reservoir Rd Storage Inspection MCC Breaker Panel Inspection Rebuild/Repack Raw water Pumps 1 & 2 DAF Pump Repair Fire Extinguisher Service		\$ 3,000 \$ 5,000 \$ 1,500 \$ 600 \$ 14,000 \$ 8,350 \$ 10,000 \$ 5,000 \$ 500 \$ 2,000 \$ 2,000 \$ 2,300 \$ 570 \$ 180							
		total		\$ 55,000	\$ 66,992	\$ 72,469	\$ 33,512	\$ 21,488	\$ 15,000	\$ 66,992	\$ 55,000

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 HJS Schedule D-11 Joint Settlement Revised
 Expense Detail - Station One
 15-500-2222

Account	Description	Comments	Detail	Calculation	Docket 4595	Budget 2018	Actual FY 2018 Test Year	Change from Test year to Proposed	Budget 2015	Budget FY 2019	Proposed FY 2020 Rate Year
50311 Operating Supplies											
	Valves			\$ 4,350	\$	4,350					
	Piping			\$ 500	\$	500					
	Tools			\$ 500	\$	500					
	Mechanical Seals & Packing			\$ 500	\$	500					
	Analytical Analyzer Reagents			\$ 3,830	\$	3,110					
	Analyzer probe Salt bridges, Cell Solution, Grit Filters			\$ 669	\$	670					
	Fluoride Feeder Filter Pack			\$ 364	\$	365					
	Roll towels, bathroom tissue			\$ 250	\$	100					
	Cleaning supplies			\$ 475	\$	200					
	Chemical Transfer Pumps			\$ 2,050	\$	2,050					
	GLO2 Generator Maintenance Kit & Filters			\$ 924	\$	925					
	Generator Fuel			\$ 2,814	\$	850					
	Misc.			\$ 880	\$	880					
	Total			\$ 18,106	\$	15,000	\$ 17,161	\$ 13,850	25,210	\$17,161	\$ 15,000
										Settlement Adjustment	\$ (1,031)
										Settlement Amount	\$ 13,969
50320 Uniforms & Protective Gear											
	Unifirst uniforms					\$2,575					
	Overboots					\$150					
	Rain Gear					\$300					
	Misc. gloves, eye protection					\$200					
	Coveralls					\$250					
	Respirator Work Lights					\$90					
	Work Lights					\$60					
						\$3,625	\$ 1,426	\$ 2,790	1,062	\$1,426	\$ 3,625

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 Expense Detail - Station One
 15-500-2222

Account Description	Comments	Detail	Calculation	Docket 4595		Budget 2018		Actual FY 2018		Change from Test year to Proposed	Budget 2015	Budget FY 2019	Proposed FY 2020 Rate Year
50335 Chemicals													
	PACI Quantity		60,435										
	Unit Cost Per Gal		\$ 1.5900										
	PACI Total Cost		\$ 96,092										
	Hypochlorite Quantity		24,199										
	Unit Cost		\$ 0.9780										
	Chlorine Total Cost		\$ 23,667										
	Flouride quantity		6,000										
	Unit cost		\$ 0.5871										
	Flouride Total Cost		\$ 3,523										
	Sodium chlorite quantity		66,526										
	Unit Cost		\$ 0.5880										
	Sodium chlorite total Cost		\$ 39,117										
	32% HCl Quantity		4,625										
	Unit Cost Per Gal		\$ 1.3620										
	Sodium chlorite total Cost		\$ 6,299										
	Polymer Quantity		970										
	Unit Cost		\$ 8.6400										
	Polymer Total Cost		\$ 8,381										
	Sodium Hydroxide quantity		29,741										
	Unit Cost		\$ 1.0560										
	Sodium Hydroxide total cost		\$ 31,406										
	GAC Filters (816) Quantity		1,640										
	Unit Cost Per CF		\$ 30.78										
	GAC Total Cost		\$ 50,479										
	GAC AWT (400) Quantity		4										
	Unit Cost Per Vessel		\$ 41,814										
	GAC Total Cost		\$ 167,256										
	HCl Scrubber Media (Chlorosorb)												
	HCl Scrubber Media Total Cost		\$ 5,000										
	total		\$ 431,220	\$ 366,315	\$ 366,315	\$ 242,583	\$ 188,637	\$ 447,189	\$366,315	\$ 431,220			
	total	\$	1,887,482	\$ 1,882,141	\$ 1,958,442	\$ 1,646,804	\$ 254,471	\$ 2,007,768	\$1,960,708	\$ 1,901,275			

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 FY 2020 Rate Filing
 HJS Schedule D-12 Joint Settlement Revised
 Expense Detail - Lawton Valley
 15-500-2223

Account	Description	Comments	Calc	Docket 4595	Budget 2018	Actual FY 2018 Test Year	Change from Test year to Proposed	Proposed FY 2020 Rate Year
50001	Salaries & Wages							
	Water Plant Op - PC#3	U4-4	53,363					
	Water Plant Op - PC#3	U4-7	59,254					
	Water Plant Op - Grade2	U4-7	57,130					
	Water Plant Op - PC#3	U4-7	59,117					
	Water Plant Op	U4-2	50,297					
	Allocated 50%	S08	42,864					
	Allocate 50% (Lawton Valley)	S07	38,426					
	Water Plant Op 1	U4-3	51,806					
	Water Plant Op - PC#3	U4-7	60,217					
	Water Plant Op - Grade3	U4-7	58,567					
	Total		531,042	\$ 531,042	\$ 506,954	\$ 528,608	\$ 2,434	\$ 531,042
50002	Overtime							
	2017-\$110,513							
	2018 - \$102,478	2 yr avg plus union 2% inc for 2019 & 20	\$110,750	\$ 98,903	\$ 98,903	\$ 102,478	\$ 6,986	\$110,750
								\$ (1,286)
								\$109,464
50003	Holiday Pay							
	Operators		9					
	Holidays		12					
	Hours/Holiday		8					
	Average Pay Rat	\$50,000 per year	\$ 24.04					\$ -
	Total		\$ 19,615	\$ 19,992	\$ 19,992	\$ 19,772	\$ (157)	\$ 19,615
50045	Lead Plant Operator Stipend							
	3 staff \$80 per week 52 weeks		\$ 12,480	\$ 12,480	\$ 12,480	\$ 4,176	\$ 8,304	\$ 12,480

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 Expense Detail - Lawton Valley
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Account	Description	Comments	Calc	Docket 4595	Budget 2018	Actual FY 2018 Test Year	Change from Test year to Proposed	Proposed FY 2020 Rate Year
50100	Employee Benefits							
	Water Plant Op - PC#3	U4-4	\$37,025					
	Water Plant Op - PC#3	U4-7	\$38,828					
	Water Plant Op - Grade2	U4-7	\$38,178					
	Water Plant Op - PC#3	U4-7	\$38,786					
	Water Plant Op	U4-2	\$24,068					
	Allocated 50%	S08	\$22,633					
	Allocate 50% (Lawton Valley)	S07	\$21,702					
	Water Plant Op 1	U4-3	\$36,548					
	Water Plant Op - PC#3	U4-7	\$26,502					
	Water Plant Op - Grade3	U4-7	\$38,618					
	FICA on OT, holiday, Stipend, Leave buyback		\$11,654					
	Total		\$334,544	\$ 322,889	\$ 280,565	\$ 309,454	\$ 24,659	\$ 334,544
							<i>Rebuttal Adjustment</i>	\$ (431)
							<i>Rebuttal Amount</i>	\$ 334,113
50175	Annual Leave Buyback	3 yr avg	\$ 9,500	\$ 7,400	\$ 7,400	\$ 9,724	\$ (224)	\$ 9,500
50212	Conferences & Training							
	RIDOH Required Certifications for 9 employees		\$ 1,980					
	Supv/Plant Prod - RIWWA		\$ 150					
	Supv/Plant Prod - NEWWA		\$ 550					
	Conferences & Training		\$ 540					
	Training, travel		\$ 900					
	total		\$ 4,120	\$4,120	\$4,120	\$ 2,495	\$ 25	\$ 4,120
							<i>Settlement Adjustment</i>	\$ (1,600)
							<i>Settlement Amount</i>	\$ 2,520
50239	Fire & Liability Insurance							
	RI Interlocal	premium fy 2018-2019	\$ 60,325	\$ 54,000	\$ 54,000	\$ 61,505	\$ (1,180)	\$ 60,325
50306	Contribution to Electricity Restricted Account							
	Lawton Valley Treatment plant & pumping station							
		2 yr avg						
	kwh usage		1,898,977					
	cost		\$ 301,655	\$ 375,091	\$ 375,092	\$ 289,647	\$ (3,613)	\$ 301,655
							<i>Rebuttal Adjustment</i>	\$ (7,531)
							<i>Rebuttal Amount</i>	\$ 294,124
							<i>Settlement Adjustment</i>	\$ (8,090)
							<i>Settlement Amount</i>	\$ 286,034

Docket 4933

Rhode Island Public Utilities Commission
 Docket 4933
 FY 2020 Rate Filing
 HJS Schedule D-12 Joint Settlement Revised
 Expense Detail - Lawton Valley
 15-500-2223

Account	Description	Comments	Calc	Docket 4595	Budget 2018	Actual FY 2018 Test Year	Change from Test year to Proposed	Proposed FY 2020 Rate Year
50307	Natural Gas		2 yr average					
		Total Cost	cost \$ 25,374 26,195	\$ 34,663	\$ 34,663	\$ 25,950	\$ 314	\$ 26,195
							<i>Rebuttal Adjustment</i>	\$ 69
							<i>Rebuttal Amount</i>	\$ 26,264
50260	Rental of Equipment							
		Dumpster Rentals	\$ 850					
		chemical cylinders	\$ 150					
		total	\$ 1,000	\$ 1,000	\$ 1,000	\$ 322	\$ 678	\$ 1,000
50305	Sewer Charge							
	Gallons		2 yr average \$ 23,250,000					
	\$/Gal		per 1,000 rate \$ 20.50					
	Cost		\$ 476,625	\$ 510,000	\$ 510,000	\$ 437,731	\$ (3,020)	\$ 476,625
							<i>Rebuttal Adjustment</i>	\$ (41,914)
							<i>Rebuttal Amount</i>	\$ 434,711
50271	Gas/Vehicle Maintenance							
		cost per vehicle	\$ 6,410					
		3 of vehicles	1					
		total	\$ 6,410	\$ 5,389	\$ 5,389	\$ 5,678	\$ 439	\$ 6,410
							<i>Rebuttal Adjustment</i>	\$ (293)
							<i>Rebuttal Amount</i>	\$ 6,117
50275	Repairs & Maintenance							
		Variable frequency Drives	\$ 3,000					
		Gas Boilers & Hot water Heater	\$ 5,600					
		Backup Gnerators-annual service	\$ 1,500					
		transfer switches	\$ 600					
		SCADA Maintenance & repair	\$ 14,000					
		Building Systems & A/C service contract	\$ 18,000					
		Analyzeer service	\$ 9,625					
		DAF Compressors	\$ 4,000					
		Fire Panel Maintenance	\$ 400					
		Tank Inspection	\$ 4,275					
		Rebuild/Repack Raw water Pumpps 1 & 2	\$ 3,000					
		Misc.	\$ 1,000					
		total	\$ 65,000	\$ 61,556	\$ 68,013	\$ 55,359	\$ 9,641	\$ 65,000

Docket 4933

Rhode Island Public Utilities Commission
 Docket 4933
 FY 2020 Rate Filing
 HJS Schedule D-12 Joint Settlement Revised
 Expense Detail - Lawton Valley
 15-500-2223

Account	Description	Comments	Calc	Docket 4595	Budget 2018	Actual FY 2018 Test Year	Change from Test year to Proposed	Proposed FY 2020 Rate Year
50311	Operating Supplies							
	Valves		\$ 500					
	Piping		\$ 500					
	Tools		\$ 500					
	Mechanical Seals & Packing		\$ 500					
	Analytical Analyzer Reagents		\$ 2,728					
	Analyzer probe Salt bridges, Cell Solution, Grit Filters		\$ 669					
	Fluoride Feeder Filter Pack		\$ 364					
	Roll towels, bathroom tissue		\$ 200					
	Cleaning Supplies		\$ 475					
	Chemical Transfer Pumps		\$ 2,050					
	GLO2 Generator Maintenance Kit & Filters		\$ 924					
	HVAC Filters		\$ 196					
	Generator Fuel		\$ 2,814					
	Misc.		\$ 880					
	Total		\$ 13,300	\$ 13,311	\$ 13,311	\$ 2,747	\$ 9,639	\$ 13,300
							<i>Settlement Adjustment</i>	\$ (914)
							<i>Settlement Amount</i>	\$ 12,386
50320	Uniforms & protective Gear							
	Unifirst uniforms		\$2,290					
	Overboots		\$ 300					
	Rain Gear		\$ 200					
	Misc. Gloves, Eye pprotection		\$ 340					
	Coveralls		\$ 275					
	Respirator Work Lights		\$ 95					
	Work Lights		\$ 100					
	Total		\$ 3,600	\$ 1,303	\$ 1,303	\$ 835	\$ 2,765	\$ 3,600

Docket 4933

Rhode Island Public Utilities Commission
 Docket 4933
 FY 2020 Rate Filing
 HJS Schedule D-12 Joint Settlement Revised
 Expense Detail - Lawton Valley
 15-500-2223

Account	Description	Comments	Calc	Docket 4595	Budget 2018	Actual FY 2018 Test Year	Change from Test year to Proposed	Proposed FY 2020 Rate Year
50335	Chemicals							
		PACI Quantity	86,535					
		Unit Cost Per Gal	\$ 1.5900					
		PACI Total Cost	\$ 137,591					
		Hypochlorite Quantity	32,982					
		Unit Cost	\$ 0.9780					
		Chlorine Total Cost	\$ 32,256					
		Flouride quantity	4,656					
		Unit cost	\$ 0.5871					
		Flouride Total Cost	\$ 2,734					
		Sodium chlorite quantity	39,000					
		Unit Cost	\$ 0.5880					
		Sodium chlorite total Cost	\$ 22,932					
		32% HCl Quantity	4,402					
		Unit Cost Per Gal	\$ 1.3620					
		Sodium chlorite total Cost	\$ 5,996					
		Polymer Quantity	805					
		Unit Cost	\$ 8.6400					
		Polymer Total Cost	\$ 6,955					
		Sodium Hydroxide quantity	33,955					
		Unit Cost	\$ 1.0560					
		Sodium Hydroxide total cost	\$ 35,856					
		GAC Filters (816) Quantity	1,760					
		Unit Cost Per CF	\$ 29.75					
		GAC Total Cost	\$ 52,360					
		GAC AWT (400) Quantity	4					
		Unit Cost Per Vessel	\$ 41,814					
		GAC Total Cost	\$ 167,256					
		HCl Scrubber Media (Chlorosorb)						
		HCl Scrubber Media Total Cost	\$ 5,000					
		total	\$ 468,936	\$ 328,667	\$ 328,667	\$ 332,292	\$ 136,644	\$ 468,936
		total	\$ 2,445,097	\$ 2,381,806	\$ 2,321,852	\$ 2,188,773	\$ 194,334	\$ 2,383,107

Docket 4933

Rhode Island Public Utilities Commission
 Docket 4933
 FY 2020 Rate Filing
 HJS Schedule D-13 Joint Settlement Revised
 Expense Detail - Laboratory
 15-500-2235

Account	Description	Comments	Detail	Calculation Amount	Budget 2018		Actual FY 2018 Test Year	Change from Test year to Proposed	Proposed FY 2020 Rate Year
					Docket 4595	Budget 2018			
50001	Salaries & Wages	Laboratory Supervisor	N03-6	\$78,895					
		Microbiologist	N04-8	\$65,068					
		Total		\$143,963	\$ 121,179	\$123,419	\$ 105,565	\$ 38,398	\$143,963
50100	Employee Benefits	Laboratory Supervisor	U3-1	\$44,841					
		Microbiologist	U4-2	\$41,608					
		Benefits on Annual leave buyback		\$325					
		Total		\$86,774	\$ 55,194	\$59,707	\$ 56,521	\$ 30,400	\$86,774
							<i>Rebuttal Adjustment</i>	\$ 147	
							<i>Rebuttal Amount</i>	\$86,921	
50175	Annual Leave Buyback	3 yr avg	Total	\$4,250	\$ 1,500	\$1,500	\$ 4,210	\$ 40	\$4,250
50275	Repairs & Maintenance	HACH QbD TOC analyzer		\$3,375					
		Calibration Bal & thermometers		\$550					
		Calibration lab weights		\$275					
		HACH calibrate TL 2300 (2)		\$1,000					
		HACH calibrate DR 3900 (2)		\$1,000					
		Total		\$6,200	\$ 1,700	\$1,700	\$ 995	\$ 5,205	\$6,200
		50281	Regulatory Assessment	IDEXX/BACTERIA		\$7,100			
		UCMR 4 (begins Feb 2020)		\$16,920					
		TTHM / HASS		\$7,850					
		TOC		\$3,360					
		LEAD		\$650					
		COPPER		\$510					
		BROMIDE		\$790					
		SODIUM		\$1,250					
		ERA QC PT		\$1,850					
		LAB LICENSE		\$440					
		RIDOH		\$26,400					
		CHLORITES		\$1,800					
		CHLORATES		\$5,550					
		LT2 Cryptosporidium		\$2,400					
		ALGAE TOXIN		\$4,000					
		Algae Test Strips		\$2,830					
		Total		\$83,700	\$ 47,024	\$68,223	\$ 58,270	\$ 25,430	\$ 83,700

Docket 4933

Rhode Island Public Utilities Commission
 Docket 4933
 FY 2020 Rate Filing
 HJS Schedule D-13 Joint Settlement Revised
 Expense Detail - Laboratory
 15-500-2235

Account	Description	Comments	Detail	Calculation Amount	Docket 4595	Budget 2018	Actual FY 2018 Test Year	Change from Test year to Proposed	Proposed FY 2020 Rate Year
50339	Laboratory Supplies								
	Millipore Mills Q Interfrol with UV		capital ?	\$0					
	Buffer, reagents, standards, electrodes, meters			\$14,640					
	Kimwipes, Gloves, Pipets, Glassware, Thermometers			\$3,450					
	Hach Turbidimeters			\$4,175					
	Hach Reagents and DR 3900			\$19,100					
	UV 254 Meter, vials, lamp assembly			\$4,700					
	Beau Hopkins Capital Controls Titrator and Pt/Pt probes			\$6,950					
	Swift Microscope, Counting Chamber and slides			\$1,985					
	total			\$55,000	\$ 35,627	\$21,128	\$ 21,104	\$ 18,896	\$55,000
								Settlement Adjustment	\$ (15,000)
								Settlement Amount	\$40,000
	Total			\$379,887	\$ 262,224	\$275,677	\$ 246,665	\$ 118,369	\$365,034

Docket 4933

Rhode Island Public Utilities Commission
 Docket 4933
 FY 2020 Rate Filing
 HJS Schedule D-14 Joint Settlement Revised
 Expense Detail - Distribution
 15-500-2241

Account	Description	Comments	Detail	calc	Docket 4595	Budget 2018	Actual FY 2018 Test Year	Change from Test year to Proposed	Proposed FY 2020 Rate Year
50001	Salaries & Wages								
		HE Operator	U4-7	59,117					
		Dist/Collect Mechanic	U4-2	50,297					
		Dist/Collect Operator	U3-7	56,202					
		Dist/Collect Mechanic	U4-2	48,860					
		Dist/Collect Operator	U3-1		REMOVED to ALLOW FOR TWO OPEN POSITIONS				
		Dist/Collect Operator	U3-5	51,298					
		Dist/Collect Foreman	U5-7	64,913					
		Engineering Technician	U5-8	66,157					
		Engineering Technician	U5-3	55,259					
		Parts/Invent Control Tech	U4-1	47,438					
		50% to WPC		(23,719)					
		supervisor Dist / Collection 50%	N05-10	45,626					
				521,449	\$ 515,219	\$ 563,655	\$ 463,664	\$ 57,785	\$ 621,449
				-					
50002	Overtime								
		2017	\$46,156						
		2018	\$43,341						
		2 yr avg plus 2% increase per union contract for 2019 & 2020		\$46,500	\$ 52,364	\$ 52,364	\$ 43,341	\$ (1,247)	\$46,500
									\$ (4,406)
									\$42,094
50004	Temp Salaries	2 staff 19 weeks \$15/hr 40 hrs wk		\$ 22,800	\$ 26,180	\$ 26,180	\$ 22,256	\$ (2,900)	\$ 22,800
									\$ (3,344)
									\$ 19,456
50100	Employee Benefits								
		HE Operator	U4-7	\$38,786					
		Dist/Collect Mechanic	U4-2	\$24,068					
		Dist/Collect Operator	U3-7	\$25,314					
		Dist/Collect Mechanic	U4-2	\$36,647					
		Dist/Collect Operator	U3-1		Vacant Position #2				
		Dist/Collect Operator	U3-5	\$24,374					
		Dist/Collect Foreman	U5-7	\$40,561					
		Engineering Technician	U5-8	\$40,280					
		Engineering Technician	U5-3	\$25,587					
		Parts/Invent Control Tech	U4-1	\$35,211					
		50% to WPC		-\$17,606					
		Supervisor Dist / Collection 50%	N05-10	\$23,855					
		FICA on OT, Temp, Leave Buyback		\$5,760					
		Total		\$302,837	\$ 312,306	\$ 294,666	\$ 231,379	\$ 72,160	\$ 302,837
									\$ 702
									\$303,539

Docket 4933

Rhode Island Public Utilities Commission
 Docket 4933
 FY 2020 Rate Filing
 HJS Schedule D-14 Joint Settlement Revised
 Expense Detail - Distribution
 15-500-2241

Account	Description	Comments	Detail	calc				Change from Test year to Proposed	Proposed FY 2020 Rate Year
					Docket 4595	Budget 2018	Actual FY 2018 Test Year		
50175	Annual Leave Buyback		3 yr avg	\$6,000	\$ 7,500	\$ 7,500	\$ 2,722	\$ 3,278	\$6,000
50212	Conferences & Training								
		Continuing Education Units		\$ 3,000					
		Taining videos, books, online cvourses		\$ 1,000					
		Total		\$ 4,000	\$ 4,000	\$ 4,000	\$ 1,200	\$ 1,246	\$ 4,000
									\$ (1,554)
									\$ 2,446
50225	Contract Services								
		Welding Services (Swabbing) as required		\$ 1,000					
		Weather Data Network		\$ 120					
		Infowater		\$ 3,750					
		Dig safe Contract (609.15*12)		\$ 7,000					
		total		\$ 11,870	\$ 21,525	\$ 21,525	\$ 10,316	\$ 1,554	\$ 11,870
50239	Fire & Liability Insurance								
	RI Interlocal	Premium fy 2018-2019		\$ 10,910	\$ 12,000	\$ 12,000	\$ 9,664	\$ 1,246	\$ 10,910
50306	Electricity Restricted Account								
	Forest Ave, Goullart Lane, Reservoir Rd								
			kwh usage	2 yr avg					
			cost	105,200					
				\$ 20,500	\$ 20,607	\$ 20,607	\$ 16,922	\$ 5,135	\$ 20,500
									\$ 2,181
									\$ 22,681
									\$ (624)
									\$ 22,057
50260	Heavy Equipment Rental								
		Excavator, 10 wheel Dump Truck,		\$ 8,000					
		asphalt roller & other equipment		\$ 1,000					
		Total		\$ 9,000	\$ 8,260	\$ 8,260	\$ 246	\$ 8,754	\$ 9,000
50271	Gas/Vehicle Maintenance								
			cost per vehicle	\$ 6,410					
			# of vehicles	13					
		total		\$ 83,330	\$ 70,057	\$ 70,057	\$ 93,121	\$ (5,638)	\$ 83,330
									\$ 4,153
									\$ 87,483
50275	Repairs & Maintenance								
		Overhead Door Repair & Maintenance		\$ 5,000					
		Fire Alarm Panel, Fire Extinguisher Serv & Repair		\$ 1,200					
		Misc. snow removal equipment & supplies		\$ 3,000					
		Travel Vacuum repairs and/or replacement		\$ 5,000					
		pump, generatro, jackhammer, repair & mmaintenance		\$ 6,000					
		total		\$ 20,200	\$ 26,000	\$ 26,110	\$ 18,687	\$ 1,513	\$ 20,200

Docket 4933

Rhode Island Public Utilities Commission
 Docket 4933
 FY 2020 Rate Filing
 HJS Schedule D-14 Joint Settlement Revised
 Expense Detail - Distribution
 15-500-2241

Account	Description	Comments	Detail	calc				Change from Test year to Proposed	Proposed FY 2020 Rate Year
					Docket 4595	Budget 2018	Actual FY 2018 Test Year		
50276	Main Maintenance								
		Valves, pipe, couplings, clamos, risers, covers, etc.		\$ 26,000					
		Swabbing Program - supplies		\$ 2,000					
		Gravel, stone, cold patch, hot mix, etc.		\$ 15,000					
		Leak Detection Services		\$ 12,000					
		Permits & Police details		\$ 5,000					
		demolition Saw, blades, etc.		\$ 3,000					
		Misc.		\$ 3,000					
		Total		\$ 66,000	\$ 91,200	\$ 94,370	\$ 84,145	\$(18,145)	\$ 66,000
50296	Service Maintenance								
		Tapping machine repair and/or eplace, misc. parts & misc. parts		\$ 3,000					
		service boxes, risers, keys		\$ 4,000					
		Corporation & curb stops, saddles, unions, etc.		\$ 4,000					
		Type K copper		\$ 5,000					
		Fittings		\$ 6,000					
		Gravel, stone, cold patch, hot mix, etc.		\$ 4,000					
		Permits & Police Details		\$ 3,000					
		Misc.		\$ 1,000					
		Total		\$ 30,000	\$ 30,000	\$ 32,629	\$ 27,194	2,806	\$ 30,000
50311	Operating Supplies								
		machine & tool lubricant, greese guns		\$ 1,800					
		Marking paint, flags, etc.		\$ 3,000					
		Replacement blades/cutting wheels, chains, bars		\$ 1,600					
		Metal detectors		\$ 1,600					
		Total		\$ 8,000	\$ 8,000	\$ 8,000	\$ 10,014	\$(2,564)	\$ 8,000
								Settlement Adjustment	\$(50)
								Settlement Amount	\$ 7,450
50320	Uniforms & protective Gear								
		UniFirst uniforms		\$2,200					
		Tyvek protective Suits		\$700					
		N 95 respirator		\$500					
		Safety Vests		\$200					
		Hi Viz Jackets		\$200					
		Gloves, safety glasses, respirator, etc.		\$200					
		Total		\$4,000	\$4,000	\$ 4,000	\$ 1,173	2,827	\$ 4,000
total				\$1,167,396	\$ 1,209,218	\$ 1,245,923	\$ 1,036,044	127,910	\$ 1,163,954

Docket 4933

Rhode Island Public Utilities Commission
 Docket 4933
 FY 2020 Rate Filing
 HJS Schedule D-15 Joint Settlement Revised
 Expense Detail - Fire Protection
 15-500-2245

Account	Description	Calc	Docket 4595	Budget 2018	Actual FY 2018 Test Year	Change from Test year to Proposed	Proposed FY 2020 Rate Year
50275	Repair & Maintenance - Equipment						
	Permits	\$ 500					
	Hydrant parts	\$ 5,000					
	Hydrant Paint	\$ 1,800					
	Misc.	\$ 600					
	Quick Valve - Supplies	\$ 7,500					
	Police Details	\$ 1,760					
	Hydrant and/or Hydrant inserts	\$ 14,140	\$ 23,800	\$ 23,800	\$ 7,739		
total		\$ 31,300	\$ 23,800	\$ 23,800	\$ 7,739	\$ 23,561	\$ 31,300

Docket 4933

Rhode Island Public Utilities Commission
 Docket 4933
 FY 2020 Rate Filing
 HJS Schedule D-16 Joint Settlement Revised
 Debt Service

	Initial Amt.	Rate	Term	Cost	FY 2019 <i>Budget</i>	FY 2020 <i>Forecast</i>	FY 2021 <i>Forecast</i>	FY 2022 <i>Forecast</i>	FY 2023 <i>Forecast</i>	FY 2024 <i>Forecast</i>	FY 2025 <i>Forecast</i>	FY 2026 <i>Forecast</i>	FY 2027 <i>Forecast</i>								
Existing Debt Service																					
SRF 2007 A	\$ 3,000,000	2.78-3.22%	20	0.00%	\$ 210,815	\$ 210,360	\$ 210,677	\$ 210,752	\$ 210,583	\$ 210,169	\$ 210,489	\$ 209,543	\$ 209,336								
SRF 2008 A	\$ 5,900,000	2.08-3.63%	20	0.00%	411,208	411,448	411,722	410,452	409,786	410,390	409,602	408,794	409,578								
SRF 2009 A	\$ 3,300,000	0.65-3.54%	20	0.00%	181,105	180,896	180,444	180,521	180,357	180,701	180,010	179,832	180,151								
SRF 2012 A	\$ 6,640,000	3.40%	20?	0.00%	544,396	545,384	540,930	541,038	540,616	544,577	542,921	540,737	542,936								
SRF 2012 B	\$ 53,100,000	0.94-3.61%	20	0.00%	3,472,817	3,471,183	3,469,116	3,465,560	3,463,943	3,460,144	3,457,534	3,453,604	3,451,673								
SRF 2013 A	\$ 31,000,000	0.37-2.92%	20	0.00%	1,964,930	1,963,924	1,961,563	1,960,726	1,958,912	1,958,127	1,955,756	1,954,851	1,951,985								
Total: Existing Debt Service					\$ 6,785,271	\$ 6,783,195	\$ 6,774,452	\$ 6,769,049	\$ 6,764,197	\$ 6,764,108	\$ 6,756,312	\$ 6,747,361	\$ 6,745,659								
Future Debt Service																					
<i>Revenue Bonds</i>					0	0	0	0	0	0	0	0	0								
Subtotal: Revenue Bonds					\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -								
<i>SRF Loans*</i>																					
FY 2019																					
FY 2020	\$ 4,000,000	3.60%	20	\$ 405,000	\$ 4,406,000																
Principal						\$ 70,000	\$ 170,000	\$ 174,000	\$ 179,000	\$ 184,000	\$ 190,000	\$ 190,000	\$ 195,000								
Interest						\$ 157,999	\$ 168,740	\$ 163,273	\$ 160,463	\$ 154,503	\$ 148,129	\$ 141,483									
FY 2021																					
FY 2022	\$ 2,750,000	4.00%	20	\$ 286,000	\$ 3,036,000																
Principal								\$ 117,000	\$ 109,000	\$ 113,000	\$ 116,000	\$ 120,000									
Interest								\$ 116,028	\$ 124,840	\$ 120,897	\$ 116,714	\$ 112,265									
FY 2023																					
FY 2024																					
FY 2025																					
FY 2026																					
FY 2027																					
FY 2028																					
FY 2029																					
FY 2030																					
Subtotal: SRF Loans*					\$ -	\$ -	\$ 227,999	\$ 338,740	\$ 570,301	\$ 573,303	\$ 572,399	\$ 570,843	\$ 568,748								
Total: Future Debt					\$ -	\$ -	\$ 227,999	\$ 338,740	\$ 570,301	\$ 573,303	\$ 572,399	\$ 570,843	\$ 568,748								
Total: Existing Debt					\$ 6,785,271	\$ 6,783,195	\$ 6,774,452	\$ 6,769,049	\$ 6,764,197	\$ 6,764,108	\$ 6,756,312	\$ 6,747,361	\$ 6,745,659								
Total: Future Debt					-	-	227,999	338,740	570,301	573,303	572,399	570,843	568,748								
TOTAL: EXISTING + FUTURE DEBT					\$ 6,785,271	\$ 6,783,195	\$ 7,002,451	\$ 7,107,789	\$ 7,334,498	\$ 7,337,411	\$ 7,328,711	\$ 7,318,204	\$ 7,314,407								

* - Estimated debt service for FY 2020 and FY2022 SRF Loans provided by Hilltop Securities

Docket 4933

Rhode Island Public Utilities Commission
 Docket 4933
 FY 2020 Rate Filing
 HJS Schedule D-17 Joint Settlement Revised
 City Services Calculation

<i>FY2019 Adopted Budget</i>	<i>Less School</i>	<i>Less Civic Support</i>	<i>Less Debt Service</i>	<i>Less Capital</i>	Total to be Allocated	Percentage
General Fund	\$97,003,290	\$20,775,023	\$2,014,487	\$5,452,352	\$3,212,552	\$65,548,876 69.15%
Water Fund Total Operating Expenses	\$23,100,625	\$-	\$-	\$6,796,599	\$3,360,400	\$12,943,626 13.66%
WPC Fund	\$24,262,052			\$6,303,683	\$4,205,000	\$13,753,369 14.51%
Maritime Fund	\$1,236,587				\$295,000	\$941,587 0.99%
Parking Fund	\$2,061,699				\$460,000	\$1,601,699 1.69%
Total	\$147,664,253				\$94,789,157	

School Appropriation: \$25,968,779
 20% appropriation left in general fund \$5,193,756
 \$20,775,023

Allocated Item	Cost To Be Allocated	Water Fund	
		Water %	Water Fund
Audit Fees	\$ 80,000	6.18%	4,944
OPEB Contribution (1)	\$ 820,000	3.84%	31,488
City Council	\$ 115,297	3.42%	3,943
City Clerk	\$ 453,679	1.00%	4,537
City Manager	\$ 560,914	13.66%	76,621
Human Resources	\$ 355,898	1.74%	6,193
City Solicitor	\$ 200,067	13.66%	27,329
Finance Admin 50%	\$ 191,888	13.66%	26,212
Finance - 5% RICWFA	\$ 6,726	50.00%	3,363
Finance Admin 10% Inv/Debt	\$ 38,378	30.77%	11,809
Purchasing	\$ 121,302	18.47%	22,404
Collections	\$ 428,073	5.80%	24,828
Accounting - Wires - 5%	\$ 13,070	70.00%	9,149
Accounting	\$ 598,939	10.97%	65,704
Total Allocation			318,524
Legal & Administrative			318,524
		rounded	\$ 318,524

Allocation of Data Processing Costs to Enterprise Funds

Allocated Item	Cost To Be Allocated	Water Fund	
		Water %	Water Fund
MIS	\$ 2,512,260	13.66%	343,175
Total Allocation			343,175
Data Processing (1)			343,175
		rounded	\$ 343,175

Rhode Island Public Utilities Commission
 Docket 4933
 FY 2020 Rate Filing
 HIS Schedule D-18 Joint Settlement Revised
 Summary of O&M Adjustments

	Test Year (FY2018)	Normalized Test Year	Pro-Forma Adjustments to Normalized Test Year	Proposed Rate Year - FY2020	PWFD Adjustments	PWFD Proposal	Division Adjustments	Division Proposal	Newport Adjustments	Rebuttal Proposal	Settlement Adjustments to Rebuttal	Settlement Proposal
50001	\$ 2,534,885	\$ 2,534,885	\$ 118,599	\$ 2,653,484	\$ -	\$ 2,653,484	\$ (44,233)	\$ 2,609,251	\$ -	\$ -	\$ -	\$ 2,653,484
50002	273,014	273,014	4,436	277,450	(20,000)	257,450	12,689	270,139	(7,311)	270,139	-	270,139
50003	40,458	40,458	939	41,397	-	41,397	-	41,397	(0)	41,397	-	41,397
50004	63,632	63,632	8,968	72,600	-	72,600	(26,462)	46,138	(26,462)	46,138	-	46,138
50005	6,040	6,040	6,860	12,900	-	12,900	-	12,900	-	12,900	-	12,900
50044	18,857	18,857	(137)	18,720	-	18,720	-	18,720	-	18,720	-	18,720
50045	15,416	15,416	9,544	24,960	-	24,960	-	24,960	-	24,960	-	24,960
50056	-	-	-	-	-	-	-	-	-	-	-	-
50100	1,368,463	1,368,463	240,047	1,608,510	(240,047)	1,368,463	192,375	1,560,838	(1,158)	1,607,352	-	1,607,352
50103	372,907	372,907	13,877	386,784	-	386,784	(2,772)	384,012	(2,772)	384,012	(1)	384,011
50105	78,304	78,304	(20,919)	57,385	-	57,385	58,041	115,426	58,041	115,426	-	115,426
50120	13,298	13,298	1,102	14,400	-	14,400	-	14,400	-	14,400	-	14,400
50175	32,577	32,577	7,123	39,700	-	39,700	-	39,700	-	39,700	-	39,700
50205	532	532	68	600	-	600	-	600	-	600	-	600
50207	2,481	2,481	6,519	9,000	(4,498)	4,502	(520)	3,982	(5,000)	4,000	-	4,000
50210	4,532	4,532	523	5,055	-	5,055	-	5,055	-	5,055	-	5,055
50212	7,135	21,620	(2,000)	19,620	(10,621)	8,999	10,341	19,340	-	19,620	(7,621)	11,999
50214	-	-	2,000	2,000	-	2,000	-	2,000	-	2,000	-	2,000
50220	14,275	14,275	237,350	251,625	(187,350)	64,275	29,117	93,392	-	251,625	(158,003)	93,622
50225	29,568	29,568	33,917	63,485	(5,700)	57,785	-	57,785	(5,700)	57,785	-	57,785
50238	63,248	63,248	1,952	65,200	-	65,200	-	65,200	-	65,200	-	65,200
50239	178,189	178,189	(5,689)	172,500	-	172,500	-	172,500	-	172,500	-	172,500
50251	10,808	10,808	(208)	10,600	-	10,600	-	10,600	-	10,600	-	10,600
50260	2,422	2,422	8,578	11,000	-	11,000	(4,283)	6,717	-	11,000	-	11,000
50266	333,848	333,848	(5,536)	328,312	(22,481)	305,831	22,481	328,312	-	328,312	(9,788)	318,524
50267	231,161	231,161	112,014	343,175	(55,125)	288,050	55,125	343,175	-	343,175	-	343,175
50268	392	392	1,608	2,000	-	2,000	-	2,000	-	2,000	-	2,000
50271	205,360	205,360	(240)	205,120	-	205,120	(18,680)	186,440	(3,453)	201,667	-	201,667
50275	157,943	174,004	70,696	244,700	-	244,700	(58,239)	186,461	-	244,700	-	244,700
50276	84,145	84,145	(18,145)	66,000	-	66,000	-	66,000	-	66,000	-	66,000
50277	25,623	25,623	11,377	37,000	-	37,000	(4,580)	32,420	-	37,000	-	37,000
50280	906	906	594	1,500	-	1,500	(1,500)	-	(1,000)	500	-	500
50281	170,726	170,726	46,474	217,200	(46,474)	170,726	28,965	199,691	(17,342)	199,858	-	199,858
50296	27,194	27,194	2,806	30,000	-	30,000	-	30,000	-	30,000	-	30,000
50299	7,696	7,696	2,304	10,000	-	10,000	-	10,000	-	10,000	-	10,000
50305	538,636	538,636	58,689	597,325	-	597,325	(16,132)	581,193	(35,916)	561,409	-	561,409
50306	729,297	729,297	25,572	754,869	(84,869)	670,000	84,869	754,869	(27,732)	727,137	(20,000)	707,137
50307	63,856	63,856	(14,696)	49,160	-	49,160	-	49,160	12,142	61,302	-	61,302
50308	535,316	535,316	22,146	557,462	0	557,462	(10,231)	547,231	(10,231)	547,231	-	547,231
50311	30,233	53,986	(5,486)	48,500	(20,750)	27,750	13,687	41,437	-	48,500	(3,333)	45,167
50320	3,081	3,081	12,594	15,675	(12,049)	3,626	1,599	5,225	-	15,675	-	15,675
50335	636,075	636,075	358,881	994,956	(75,000)	919,956	(236,747)	683,209	-	994,956	-	994,956
50339	21,104	21,104	33,896	55,000	(29,881)	25,119	-	25,119	-	55,000	(15,000)	40,000
50361	10,136	12,000	(155)	11,845	-	11,845	-	11,845	-	11,845	-	11,845
50380	1,951	1,951	1,049	3,000	-	3,000	-	3,000	-	3,000	-	3,000
50505	2,584	2,584	2,416	5,000	-	5,000	(5,000)	-	(2,500)	2,500	(2,000)	500
	\$8,948,304	\$9,004,467	\$1,392,306	\$10,396,774	(814,845)	\$9,581,929	137,916	\$9,661,839	\$ (76,394)	\$10,320,380	(\$215,746)	\$10,104,634