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September 18, 2019

Ms. Luly Massaro, Clerk  
Rhode Island Public Utilities Commission  
89 Jefferson Boulevard  
Warwick, RI 02888

*Re: City of Newport, Utilities Department, Water Division  
Docket 4933*

Dear Ms. Massaro:

Enclosed please find an original and nine copies of:

1. Settlement Agreement between all the parties in this Docket.

Please note that an electronic copy of this document has been sent to the service list.

Thank you for your attention to this matter.

Sincerely,



Joseph A. Keough, Jr.

JAK:prc  
Enclosure  
cc: Docket 4933 Service List (*via electronic mail*)

**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**

**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 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. A summary of the Parties' agreements on the contested issues in paragraph 18 is as follows:
  - 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 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 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 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 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 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 Settlement Agreement.
27. 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.
28. 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.
29. In reaching this settlement, 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.

30. The Parties agree that this 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**

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

32. The increase agreed to in this Settlement Agreement allows Newport to collect additional operating revenue in the first phase of the increase for Fiscal Year 2020 in the amount of \$1,795,459 to support a total revenue requirement of \$19,557,403. 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 \$4.58 per month from \$661.44 to \$716.40 per year. The impact on other customers' bills will vary based on classification and consumption level.

33. The increase agreed to in this Settlement Agreement for the second phase of the proposed increase (Fiscal Year 2022) allows Newport to collect an additional \$547,480 to support a total revenue requirement of \$20,104,883, 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 \$1.70 per month from \$716.40 to \$736.80 per year. The impact on other customers' bills will vary based on classification and consumption level.

34. 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 Settlement Schedules.

35. 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.

36. 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.

37. By the terms of this 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 Settlement Agreement is without prejudice to the Parties requesting different allocations for City Services in future rate filings.

38. 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 Settlement Agreement, Portsmouth preserves its right to challenge Newport's value for service lines in future rate filings and by agreeing to this Settlement Agreement Portsmouth does not waive its right to challenge Newport's value for service lines in future rate filings.

39. 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**

40. This Settlement Agreement is the result of a negotiated agreement. The Parties conducted the discussions that produced this 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.
41. The agreement by any party to the terms of this 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 Settlement Agreement, matters or issues other than those explicitly identified in this Settlement Agreement have not been settled upon or conceded by any party to this Settlement Agreement, and nothing in this Settlement Agreement shall preclude any party from taking any position in any future proceeding regarding such unsettled matters.
42. This Settlement Agreement is the product of negotiation and compromise. The making of this agreement establishes no principal or precedent. This Settlement Agreement shall not be deemed to foreclose any party from making any contention in any future proceeding or investigation.

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

IN WITNESS WHEREOF, the Parties agree that this Settlement Agreement is reasonable, in the public interest and in accordance with law and regulatory policy, and have caused this 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,



\_\_\_\_\_  
Joseph A. Keough, Jr., Esquire #4925  
KEOUGH + SWEENEY, LTD.  
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September 18, 2019  
Date

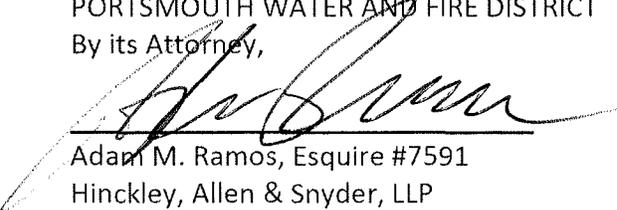
DIVISION OF PUBLIC UTILITIES  
AND CARRIERS,  
By its Attorney,



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Christy L. Hetherington, Esquire #6693  
Special Assistant Attorney General  
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September 18, 2019  
Date

PORTSMOUTH WATER AND FIRE DISTRICT  
By its Attorney,

  
\_\_\_\_\_  
Adam M. Ramos, Esquire #7591  
Hinckley, Allen & Snyder, LLP  
100 Westminster Street, Suite 1500  
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Tel: 401-274-2000

9/18/19  
Date

THE TOWN OF MIDDLETOWN  
By its Attorney,

\_\_\_\_\_  
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130 Bellevue Avenue  
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\_\_\_\_\_  
Date

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

\_\_\_\_\_  
Kenneth M. Racette, Jr., Esquire  
Office of the General Counsel  
DEPARTMENT OF THE NAVY  
NAVAL FACILITIES ENGINEERING COMMAND  
1322 Patterson Avenue  
Washington Navy Yard DC 20374-5056

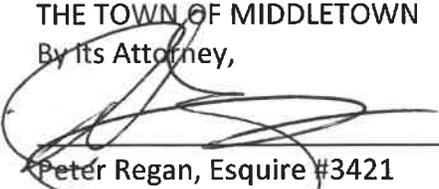
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PORTSMOUTH WATER AND FIRE DISTRICT  
By its Attorney,

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THE TOWN OF MIDDLETOWN  
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9/18/19  
\_\_\_\_\_  
Date

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

\_\_\_\_\_  
Kenneth M. Racette, Jr., Esquire  
Office of the General Counsel  
DEPARTMENT OF THE NAVY  
NAVAL FACILITIES ENGINEERING COMMAND  
1322 Patterson Avenue  
Washington Navy Yard DC 20374-5056

\_\_\_\_\_  
Date

PORTSMOUTH WATER AND FIRE DISTRICT  
By its Attorney,

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Date

THE TOWN OF MIDDLETOWN  
By its Attorney,

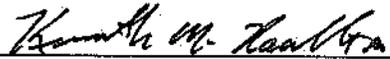
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Newport, RI 02840  
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Date

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



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Kenneth M. Racette, Jr., Esquire  
Office of the General Counsel  
DEPARTMENT OF THE NAVY  
NAVAL FACILITIES ENGINEERING COMMAND  
1322 Patterson Avenue  
Washington Navy Yard DC 20374-5056

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19-Sep-2019  
Date

***EXHIBIT 1***

# Docket 4933

Rhode Island Public Utilities Commission  
Docket 4933  
FY 2020 Rate Filing

## Index of Model Schedules

### Summary Schedules

HJS Schedule A-1A Joint Settlement	<a href="#">Revenue Requirements</a>
HJS Schedule A-1B Joint Settlement	<a href="#">Revenue Requirements by Account</a>
HJS Schedule A-2A Joint Settlement	<a href="#">Cost of Service Rates and Charges</a>
HJS Schedule A-2B Joint Settlement	<a href="#">Multi-Year Rate Plan</a>
HJS Schedule A-3A Joint Settlement	<a href="#">Bill Impacts</a>
HJS Schedule A-3B Joint Settlement	<a href="#">Multi-Year Bill Impacts</a>
HJS Schedule A-4 Joint Settlement	<a href="#">Revenue Proof</a>
HJS Schedule A-5A Joint Settlement	<a href="#">Proposed Rates With Gradualism</a>
HJS Schedule A-5B Joint Settlement	<a href="#">Multi-Year Rate Plan With Gradualism</a>

### COS Model Schedules

HJS Schedule B-1 Joint Settlement	<a href="#">Base Extra Capacity Cost Allocations</a>
HJS Schedule B-2 Joint Settlement	<a href="#">Allocation of Costs to Water Rate Classes</a>
HJS Schedule B-3 Joint Settlement	<a href="#">Cost Allocation Bases</a>
HJS Schedule B-4 Joint Settlement	<a href="#">Allocation Analyses</a>
HJS Schedule B-5 Joint Settlement	<a href="#">Capital Functionalization</a>
HJS Schedule B-6 Joint Settlement	<a href="#">Water Demand History</a>
HJS Schedule B-7 Joint Settlement	<a href="#">Water Production Peaking Analysis</a>
HJS Schedule B-8 Joint Settlement	<a href="#">Billed Demand Peaking Analysis: Determination of Customer Class Peaking Factors</a>
HJS Schedule B-9 Joint Settlement	<a href="#">System Demands Imposed by Each Customer Class' Peaking Behavior</a>
HJS Schedule B-10 Joint Settlement	<a href="#">Summary of Peak Load Distributions (by Rate Class and Base/Extra-Capacity Categories)</a>
HJS Schedule B-11 Joint Settlement	<a href="#">Fire Protection Demand Analysis</a>

### Supporting Data

HJS Schedule D-1 Joint Settlement	<a href="#">Water Accounts, by Size and Class</a>
HJS Schedule D-2 Joint Settlement	<a href="#">Fire Protection Accounts</a>
HJS Schedule D-3 Joint Settlement	<a href="#">Production Summary</a>
HJS Schedule D-4 Joint Settlement	<a href="#">Demand Summary</a>
HJS Schedule D-5 Joint Settlement	<a href="#">Debt Service Restricted Account Cashflow</a>
HJS Schedule D-6 Joint Settlement	<a href="#">Demand Factor Calculations</a>
HJS Schedule D-7 Joint Settlement	<a href="#">Expense Detail - Administration</a>
HJS Schedule D-8 Joint Settlement	<a href="#">Expense Detail - Customer Service</a>
HJS Schedule D-9 Joint Settlement	<a href="#">Expense Detail - Source of Supply - Island</a>
HJS Schedule D-10 Joint Settlement	<a href="#">Expense Detail - Source of Supply - Mainland</a>
HJS Schedule D-11 Joint Settlement	<a href="#">Expense Detail - Station One</a>
HJS Schedule D-12 Joint Settlement	<a href="#">Expense Detail - Lawton Valley</a>
HJS Schedule D-13 Joint Settlement	<a href="#">Expense Detail - Laboratory</a>
HJS Schedule D-14 Joint Settlement	<a href="#">Expense Detail - Distribution</a>
HJS Schedule D-15 Joint Settlement	<a href="#">Expense Detail - Fire Protection</a>
HJS Schedule D-16 Joint Settlement	<a href="#">Debt Service</a>
HJS Schedule D-17 Joint Settlement	<a href="#">City Services Calculation</a>
HJS Schedule D-18 Joint Settlement	<a href="#">Summary of O&amp;M Adjustments</a>

Docket 4933

Account	Docket 4595	Test Year (FY2018)	Test Year Normalizing Adjustments	Normalized Test Year	Rate Year Adjustments	Proposed Rate Year - FY2020
<b>O&amp;M COSTS</b>						
<b>Administration</b>						
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	\$ 79,117	93,392
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	\$ 11,022	37,118
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	-	-	\$ -	\$ -	\$ -	-
<b>Subtotal:</b>	<b>\$ 2,237,828</b>	<b>\$ 2,263,955</b>	<b>\$ 5,454</b>	<b>\$ 2,269,409</b>	<b>\$ 209,797</b>	<b>\$ 2,479,207</b>

Docket 4933

Account	Docket 4595	Test Year (FY2018)	Test Year Normalizing Adjustments	Normalized Test Year	Rate Year Adjustments	Proposed Rate Year - FY2020
<b>Customer Service</b>						
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
<b>Subtotal:</b>	<b>\$ 726,526</b>	<b>\$ 637,490</b>	<b>\$ 1,236</b>	<b>\$ 638,726</b>	<b>\$ 152,063</b>	<b>\$ 790,789</b>
<b>Source of Supply - Island</b>						
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
<b>Subtotal:</b>	<b>\$ 758,176</b>	<b>\$ 713,772</b>	<b>\$ (1,751)</b>	<b>\$ 712,021</b>	<b>\$ 75,033</b>	<b>\$ 787,054</b>
<b>Source of Supply - Mainland</b>						
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
<b>Subtotal:</b>	<b>\$ 223,955</b>	<b>\$ 207,062</b>	<b>\$ 822</b>	<b>\$ 207,884</b>	<b>\$ 4,588</b>	<b>\$ 212,472</b>

Docket 4933

Account	Docket 4595	Test Year (FY2018)	Test Year Normalizing Adjustments	Normalized Test Year	Rate Year Adjustments	Proposed Rate Year - FY2020
<b>Station One</b>						
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
<b>Subtotal:</b>	<b>\$ 1,882,141</b>	<b>\$ 1,646,804</b>	<b>\$ 19,352</b>	<b>\$ 1,666,156</b>	<b>\$ 235,119</b>	<b>\$ 1,901,275</b>
<b>Lawton Valley</b>						
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
<b>Subtotal:</b>	<b>\$ 2,304,651</b>	<b>\$ 2,188,773</b>	<b>\$ 12,189</b>	<b>\$ 2,200,962</b>	<b>\$ 182,145</b>	<b>\$ 2,383,107</b>
<b>Laboratory</b>						
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
<b>Subtotal:</b>	<b>\$ 262,224</b>	<b>\$ 246,665</b>	<b>\$ -</b>	<b>\$ 246,665</b>	<b>\$ 118,369</b>	<b>\$ 365,034</b>

Docket 4933

Account	Docket 4595	Test Year (FY2018)	Test Year Normalizing Adjustments	Normalized Test Year	Rate Year Adjustments	Proposed Rate Year - FY2020
<b>Transmission &amp; Distribution</b>						
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
<b>Subtotal:</b>	<b>\$ 1,209,218</b>	<b>\$ 1,036,044</b>	<b>\$ 2,800</b>	<b>\$ 1,038,844</b>	<b>\$ 125,110</b>	<b>\$ 1,163,954</b>
<b>Fire Protection</b>						
50275 Repair & Maintenance - Equipment	\$ 23,800	\$ 7,739	\$ 16,061	\$ 23,800	\$ 7,500	\$ 31,300
<b>Subtotal:</b>	<b>\$ 23,800</b>	<b>\$ 7,739</b>	<b>\$ 16,061</b>	<b>\$ 23,800</b>	<b>\$ 7,500</b>	<b>\$ 31,300</b>
<b>Total O&amp;M Costs</b>	<b>\$ 9,628,521</b>	<b>\$ 8,948,304</b>	<b>\$ 56,163</b>	<b>\$ 9,004,467</b>	<b>\$ 1,109,725</b>	<b>\$ 10,114,192</b>

Docket 4933

Account	Docket 4595	Test Year (FY2018)	Test Year Normalizing Adjustments	Normalized Test Year	Rate Year Adjustments	Proposed Rate Year - FY2020
<b>CAPITAL COSTS</b>						
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	\$ (27,801)	\$ 6,783,195
<b>Total Capital Costs</b>	<b>\$ 9,311,000</b>	<b>\$ 9,319,826</b>	<b>\$ -</b>	<b>\$ 9,319,826</b>	<b>\$ (36,631)</b>	<b>\$ 9,283,195</b>
<b>Operating Revenue Allowance</b>	\$ 144,428	\$ 268,449	\$ (1,469)	\$ 266,980	\$ (115,267)	\$ 151,713
<b>Total Costs before Offsets</b>	<b>\$ 19,083,948</b>	<b>\$ 18,536,579</b>	<b>\$ 54,694</b>	<b>\$ 18,591,273</b>	<b>\$ 957,827</b>	<b>\$ 19,549,100</b>
<b>OFFSETS</b>						
<b>Nonrate Revenues</b>						
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
<b>Total Nonrate Revenues</b>	<b>\$ 1,035,401</b>	<b>\$ 837,621</b>	<b>\$ -</b>	<b>\$ 837,621</b>	<b>\$ 17,943</b>	<b>\$ 855,564</b>
<b>Net Costs to Be Recovered through Rates</b>	<b>\$ 18,048,547</b>	<b>\$ 17,698,958</b>	<b>\$ 54,694</b>	<b>\$ 17,753,652</b>	<b>\$ 939,884</b>	<b>\$ 18,693,536</b>

\* 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  
 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	\$ 79,117	\$ 93,392
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	\$ (5,536)	\$ 328,312
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
		<b>8,948,304</b>	<b>56,163</b>	<b>9,004,467</b>	<b>1,109,725</b>	<b>10,114,192</b>

## Docket 4933

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

		<b>Docket 4595</b>				
		<b>Rates</b>	Cost of Service	<b>Proposed Rates</b>	% Change	Projected Revenues
<b>Base Charge (per bill)</b>						
Monthly						
5/8	\$	5.02	\$ 5.4431	\$ 5.45	9%	\$701,153
3/4	\$	5.27	5.7020	5.71	8%	173,630
1	\$	7.03	7.5890	7.59	8%	52,007
1.5	\$	11.33	12.2009	12.21	8%	56,117
2	\$	15.86	17.0112	17.02	7%	52,081
3	\$	41.71	44.3209	44.33	6%	31,918
4	\$	49.12	52.0878	52.09	6%	9,376
5	\$	58.99	62.4436	62.45	6%	0
6	\$	66.40	70.2105	70.22	6%	28,650
8	\$	86.15	90.9222	90.93	6%	4,365
10	\$	121.95	128.4621	128.47	5%	3,083
Portsmouth Base Charge (4")	\$	1.36	1.5631	1.57	15%	19
						1,112,398
<b>Volume Charge (per 1,000 gallons)</b>						
Retail						
Residential	\$	10.02	\$ 10.8415	\$ 10.85	8%	6,775,825
Non-Residential	\$	11.22	\$ 11.2859	\$ 11.29	1%	5,026,308
						\$ 11,802,133
Wholesale						
Navy	\$	6.5190	\$ 7.7425	\$ 7.7425	19%	1,462,558
Portsmouth Water & Fire District	\$	5.2920	\$ 6.8032	\$ 6.8032	29%	2,564,806
						\$ 4,027,365
<b>Fire Protection</b>						
Public (per hydrant)	\$	944.22	\$ 1,194.48	\$ 1,194.48	27%	\$ 1,244,648
Private (by Connection Size)						
	Connection Size	Existing Charge				
	<2	\$33.26	\$ 38.15	\$ 38.15	15%	
	2	6.19	\$139.26	\$ 159.72	15%	-
	4	38.32	\$468.22	\$ 562.11	20%	44,407
	6	111.31	\$1,055.81	\$ 1,303.47	23%	308,922
	8	237.21	\$2,069.28	\$ 2,582.16	25%	139,437
	10	426.58	\$3,593.75	\$ 4,505.57	25%	22,528
	12	689.04	\$5,706.61	\$ 7,171.34	26%	-
						\$ 515,294
<b>Total Projected Rate Revenues</b>						<b>\$ 18,701,839</b>

## Docket 4933

Rhode Island Public Utilities Commission  
 Docket 4933  
 FY 2020 Rate Filing  
 HJS Schedule A-2B Joint Settlement  
 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	\$ 5.45	9%	\$ 5.60	3%
3/4	\$ 5.27	\$ 5.71	8%	\$ 5.87	3%
1	\$ 7.03	\$ 7.59	8%	\$ 7.83	3%
1.5	\$ 11.33	\$ 12.21	8%	\$ 12.61	3%
2	\$ 15.86	\$ 17.02	7%	\$ 17.60	3%
3	\$ 41.71	\$ 44.33	6%	\$ 45.93	4%
4	\$ 49.12	\$ 52.09	6%	\$ 53.99	4%
5	\$ 58.99	\$ 62.45	6%	\$ 64.73	4%
6	\$ 66.40	\$ 70.22	6%	\$ 72.79	4%
8	\$ 86.15	\$ 90.93	6%	\$ 94.28	4%
10	\$ 121.95	\$ 128.47	5%	\$ 133.24	4%
Portsmouth Base Charge (4")	\$ 1.36	\$ 1.57	15%	\$ 1.58	1%
Commodity Charge (per 1,000 gallons)					
Retail					
Residential	\$ 10.02	\$ 10.85	8%	\$ 11.16	3%
Non-Residential	\$ 11.22	\$ 11.29	1%	\$ 11.62	3%
Wholesale					
Navy	\$ 6.5190	\$ 7.7425	19%	\$ 7.9631	3%
Portsmouth Water & Fire District	\$ 5.2920	\$ 6.8032	29%	\$ 6.9964	3%
Fire Protection					
Public (per hydrant)	\$ 944.22	\$ 1,194.48	27%	\$ 1,235.09	3%
Private (Connection Size)					
Less than 2"	\$33.26	\$ 38.15	15%	\$ 39.50	4%
2"	\$139.26	\$ 159.72	15%	\$ 165.37	4%
4"	\$468.22	\$ 562.12	20%	\$ 581.82	4%
6"	\$1,055.81	\$ 1,303.47	23%	\$ 1,348.78	3%
8"	\$2,069.28	\$ 2,582.16	25%	\$ 2,671.65	3%
10"	\$3,593.75	\$ 4,505.57	25%	\$ 4,661.50	3%
12"	\$5,706.61	\$ 7,171.34	26%	\$ 7,419.37	3%

## 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	\$195.60	\$15.12	8.4%	\$183.48	\$198.72	\$15.24	8.4%	\$204.60	\$221.28	\$16.68	9.2%	\$256.20	\$276.72	\$20.52	11.4%	\$310.56	\$334.44	\$23.88	13.2%	\$620.76	\$662.16	\$41.40	22.9%
	2,000	\$300.72	\$325.80	\$25.08	8.3%	\$303.72	\$328.92	\$25.20	8.4%	\$324.84	\$351.48	\$26.64	8.9%	\$376.44	\$406.92	\$30.48	10.1%	\$430.80	\$464.64	\$33.84	11.3%	\$741.00	\$792.36	\$51.36	17.1%
	4,000	\$541.20	\$586.20	\$45.00	8.3%	\$544.20	\$589.32	\$45.12	8.3%	\$565.32	\$611.88	\$46.56	8.6%	\$616.92	\$667.32	\$50.40	9.3%	\$671.28	\$725.04	\$53.76	9.9%	\$981.48	\$1,052.76	\$71.28	13.2%
	5,000	\$661.44	\$716.40	\$54.96	8.3%	\$664.44	\$719.52	\$55.08	8.3%	\$685.56	\$742.08	\$56.52	8.5%	\$737.16	\$797.52	\$60.36	9.1%	\$791.52	\$855.24	\$63.72	9.6%	\$1,101.72	\$1,182.96	\$81.24	12.3%
	7,500	\$962.04	\$1,041.90	\$79.86	8.3%	\$965.04	\$1,045.02	\$79.98	8.3%	\$986.16	\$1,067.58	\$81.42	8.5%	\$1,037.76	\$1,123.02	\$85.26	8.9%	\$1,092.12	\$1,180.74	\$88.62	9.2%	\$1,402.32	\$1,508.46	\$106.14	11.0%
	10,000	\$1,262.64	\$1,367.40	\$104.76	8.3%	\$1,265.64	\$1,370.52	\$104.88	8.3%	\$1,286.76	\$1,393.08	\$106.32	8.4%	\$1,338.36	\$1,448.52	\$110.16	8.7%	\$1,392.72	\$1,506.24	\$113.52	9.0%	\$1,702.92	\$1,833.96	\$131.04	10.4%
	15,000	\$1,863.84	\$2,018.40	\$154.56	8.3%	\$1,866.84	\$2,021.52	\$154.68	8.3%	\$1,887.96	\$2,044.08	\$156.12	8.4%	\$1,939.56	\$2,099.52	\$159.96	8.6%	\$1,993.92	\$2,157.24	\$163.32	8.8%	\$2,304.12	\$2,484.96	\$180.84	9.7%
	20,000	\$2,465.04	\$2,669.40	\$204.36	8.3%	\$2,468.04	\$2,672.52	\$204.48	8.3%	\$2,489.16	\$2,695.08	\$205.92	8.4%	\$2,540.76	\$2,750.52	\$209.76	8.5%	\$2,595.12	\$2,808.24	\$213.12	8.6%	\$2,905.32	\$3,135.96	\$230.64	9.4%
	25,000	\$3,066.24	\$3,320.40	\$254.16	8.3%	\$3,069.24	\$3,323.52	\$254.28	8.3%	\$3,090.36	\$3,346.08	\$255.72	8.3%	\$3,141.96	\$3,401.52	\$259.56	8.5%	\$3,196.32	\$3,459.24	\$262.92	8.6%	\$3,506.52	\$3,786.96	\$280.44	9.1%
	30,000	\$3,667.44	\$3,971.40	\$303.96	8.3%	\$3,670.44	\$3,974.52	\$304.08	8.3%	\$3,691.56	\$3,997.08	\$305.52	8.3%	\$3,743.16	\$4,052.52	\$309.36	8.4%	\$3,797.52	\$4,110.24	\$312.72	8.5%	\$4,107.72	\$4,437.96	\$330.24	9.0%

## 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			
	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	\$336.36	\$6.84	2.1%	\$332.52	\$339.48	\$6.96	2.1%	\$353.64	\$362.04	\$8.40	2.5%	\$405.24	\$417.48	\$12.24	3.7%	\$459.60	\$475.20	\$15.60	4.7%	\$741.00	\$792.36	\$51.36	15.6%
	5,000	\$733.44	\$742.80	\$9.36	1.3%	\$736.44	\$745.92	\$9.48	1.3%	\$757.56	\$768.48	\$10.92	1.5%	\$809.16	\$823.92	\$14.76	2.0%	\$863.52	\$881.64	\$18.12	2.5%	\$1,101.72	\$1,182.96	\$81.24	11.1%
	9,000	\$1,272.00	\$1,284.72	\$12.72	1.0%	\$1,275.00	\$1,287.84	\$12.84	1.0%	\$1,296.12	\$1,310.40	\$14.28	1.1%	\$1,347.72	\$1,365.84	\$18.12	1.4%	\$1,402.08	\$1,423.56	\$21.48	1.7%	\$1,582.68	\$1,703.76	\$121.08	9.5%
	25,000	\$3,426.24	\$3,452.40	\$26.16	0.8%	\$3,429.24	\$3,455.52	\$26.28	0.8%	\$3,450.36	\$3,478.08	\$27.72	0.8%	\$3,501.96	\$3,533.52	\$31.56	0.9%	\$3,556.32	\$3,591.24	\$34.92	1.0%	\$3,506.52	\$3,786.96	\$280.44	8.2%
	30,000	\$4,099.44	\$4,129.80	\$30.36	0.7%	\$4,102.44	\$4,132.92	\$30.48	0.7%	\$4,123.56	\$4,155.48	\$31.92	0.8%	\$4,175.16	\$4,210.92	\$35.76	0.9%	\$4,229.52	\$4,268.64	\$39.12	1.0%	\$4,107.72	\$4,437.96	\$330.24	8.1%
	40,000	\$5,445.84	\$5,484.60	\$38.76	0.7%	\$5,448.84	\$5,487.72	\$38.88	0.7%	\$5,469.96	\$5,510.28	\$40.32	0.7%	\$5,521.56	\$5,565.72	\$44.16	0.8%	\$5,575.92	\$5,623.44	\$47.52	0.9%	\$5,510.12	\$5,739.96	\$229.84	7.9%
	50,000	\$6,792.24	\$6,839.40	\$47.16	0.7%	\$6,795.24	\$6,842.52	\$47.28	0.7%	\$6,816.36	\$6,865.08	\$48.72	0.7%	\$6,867.96	\$6,920.52	\$52.56	0.8%	\$6,922.32	\$6,978.24	\$55.92	0.8%	\$6,512.52	\$7,041.96	\$529.44	7.8%
	75,000	\$10,158.24	\$10,226.40	\$68.16	0.7%	\$10,161.24	\$10,229.52	\$68.28	0.7%	\$10,182.36	\$10,252.08	\$69.72	0.7%	\$10,233.96	\$10,307.52	\$73.56	0.7%	\$10,288.32	\$10,365.24	\$76.92	0.8%	\$9,518.52	\$10,296.96	\$778.44	7.7%
	100,000	\$13,524.24	\$13,613.40	\$89.16	0.7%	\$13,527.24	\$13,616.52	\$89.28	0.7%	\$13,548.36	\$13,639.08	\$90.72	0.7%	\$13,599.96	\$13,694.52	\$94.56	0.7%	\$13,654.32	\$13,752.24	\$97.92	0.7%	\$12,524.52	\$13,551.96	\$1,027.44	7.6%

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	\$167.01	\$5.79	3.6%	\$164.85	\$170.13	\$5.28	3.3%	\$185.97	\$192.69	\$6.72	4.2%	\$237.57	\$248.13	\$10.56	6.6%	\$291.93	\$305.85	\$13.92	8.6%	\$602.13	\$633.57	\$31.44	19.5%
		\$1,055.81	\$1,303.47	\$247.66	23.5%	\$1,055.81	\$1,303.47	\$247.66	23.5%	\$1,055.81	\$1,303.47	\$247.66	23.5%	\$1,055.81	\$1,303.47	\$247.66	23.5%	\$1,055.81	\$1,303.47	\$247.66	23.5%	\$1,055.81	\$1,303.47	\$247.66	23.5%
		\$1,217.03	\$1,470.48	\$253.45	20.8%	\$1,220.66	\$1,473.60	\$252.94	20.8%	\$1,241.78	\$1,496.16	\$254.38	20.9%	\$1,293.38	\$1,551.60	\$258.22	21.2%	\$1,347.74	\$1,609.32	\$261.58	21.5%	\$1,657.94	\$1,937.04	\$279.10	22.9%
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	\$68,084	\$15,159	28.6%
	20,000,000	\$105,845	\$136,116	\$30,271	28.6%
	32,000,000	\$169,349	\$217,754	\$48,405	28.6%
	40,000,000	\$211,685	\$272,180	\$60,495	28.6%
	75,000,000	\$396,905	\$510,292	\$113,387	28.6%
Navy 6"meter	5,000,000	\$32,681	\$38,713	\$6,031	18.5%
	16,000,000	\$104,426	\$123,880	\$19,454	18.6%
	38,000,000	\$247,722	\$294,215	\$46,493	18.8%
	50,000,000	\$325,961	\$387,125	\$61,164	18.8%

Docket 4933

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
<b>Residential 5/8" meter</b>								
Avg. Monthly Use	1,000	\$ 180.48	\$ 195.60	\$ 15.12	8.4%	\$ 201.12	\$ 5.52	2.8%
	2,000	\$ 300.72	\$ 325.80	\$ 25.08	8.3%	\$ 335.04	\$ 9.24	2.8%
	4,000	\$ 541.20	\$ 586.20	\$ 45.00	8.3%	\$ 602.88	\$ 16.68	2.8%
	5,000	\$ 661.44	\$ 716.40	\$ 54.96	8.3%	\$ 736.80	\$ 20.40	2.8%
	7,500	\$ 962.04	\$ 1,041.90	\$ 79.86	8.3%	\$ 1,071.60	\$ 29.70	2.9%
	10,000	\$ 1,262.64	\$ 1,367.40	\$ 104.76	8.3%	\$ 1,406.40	\$ 39.00	2.9%
	15,000	\$ 1,863.84	\$ 2,018.40	\$ 154.56	8.3%	\$ 2,076.00	\$ 57.60	2.9%
	20,000	\$ 2,465.04	\$ 2,669.40	\$ 204.36	8.3%	\$ 2,745.60	\$ 76.20	2.9%
	25,000	\$ 3,066.24	\$ 3,320.40	\$ 254.16	8.3%	\$ 3,415.20	\$ 94.80	2.9%
	30,000	\$ 3,667.44	\$ 3,971.40	\$ 303.96	8.3%	\$ 4,084.80	\$ 113.40	2.9%

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
<b>Non-Residential 5/8" meter</b>								
Avg. Monthly Use	2,000	\$329.52	\$336.36	\$6.84	2.1%	\$346.08	\$9.72	2.9%
	5,000	\$733.44	\$742.80	\$9.36	1.3%	\$764.40	\$21.60	2.9%
	9,000	\$1,272.00	\$1,284.72	\$12.72	1.0%	\$1,322.16	\$37.44	2.9%
	25,000	\$3,426.24	\$3,452.40	\$26.16	0.8%	\$3,553.20	\$100.80	2.9%
	30,000	\$4,099.44	\$4,129.80	\$30.36	0.7%	\$4,250.40	\$120.60	2.9%
	40,000	\$5,445.84	\$5,484.60	\$38.76	0.7%	\$5,644.80	\$160.20	2.9%
	50,000	\$6,792.24	\$6,839.40	\$47.16	0.7%	\$7,039.20	\$199.80	2.9%
	75,000	\$10,158.24	\$10,226.40	\$68.16	0.7%	\$10,525.20	\$298.80	2.9%
	100,000	\$13,524.24	\$13,613.40	\$89.16	0.7%	\$14,011.20	\$397.80	2.9%

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
<b>Portsmouth</b>								
Avg. Monthly Bill	10,000,000	\$52,925.02	\$68,084.09	\$15,159.07	28.6%	\$69,965.58	\$1,881.49	2.8%
	20,000,000	\$105,845.02	\$136,116.09	\$30,271.07	28.6%	\$139,929.58	\$3,813.49	2.8%
	32,000,000	\$169,349.02	\$217,754.49	\$48,405.47	28.6%	\$223,886.38	\$6,131.89	2.8%
	40,000,000	\$211,685.02	\$272,180.09	\$60,495.07	28.6%	\$279,857.58	\$7,677.49	2.8%
	75,000,000	\$396,905.02	\$510,292.09	\$113,387.07	28.6%	\$524,731.58	\$14,439.49	2.8%
<b>Navy</b>								
Avg. Monthly Bill	5,000,000	\$32,681.15	\$38,712.50	\$6,031.35	18.5%	\$39,888.29	\$1,175.79	3.0%
	16,000,000	\$104,425.95	\$123,880.00	\$19,454.05	18.6%	\$127,482.39	\$3,602.39	2.9%
	38,000,000	\$247,722.00	\$294,215.00	\$46,493.00	18.8%	\$302,670.59	\$8,455.59	2.9%
	50,000,000	\$325,961.47	\$387,125.00	\$61,163.53	18.8%	\$398,227.79	\$11,102.79	2.9%

Docket 4933

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

	Annual Revenue		
	Existing Rates	Proposed FY 2020 Rates	Proposed FY 2022 Rates
<b>REVENUES</b>			
<b>Water Rates</b>			
Base Charge (Billing Charge)	\$ 1,026,420	\$ 1,112,398	\$ 1,144,637
Volume Charge			
Residential	6,257,490	6,775,825	6,969,420
Non-Residential	4,995,144	5,026,308	5,173,224
Navy	1,231,439	1,462,558	1,504,230
Portsmouth Water & Fire District	1,995,084	2,564,806	2,637,643
Fire Protection			
Public	983,877	1,244,648	1,286,964
Private	416,926	515,294	533,201
Total Rate Revenues	\$ 16,906,380	\$ 18,701,839	\$ 19,249,319
<b>Other Operating Revenues</b>			
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
<b>Total Operating Revenues</b>	<b>\$ 17,659,644</b>	<b>\$ 19,455,103</b>	<b>\$ 20,002,583</b>
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
<b>Total Non Operating Revenues</b>	<b>\$ 102,300</b>	<b>\$ 102,300</b>	<b>\$ 102,300</b>
<b>Total Revenues</b>	<b>\$ 17,761,944</b>	<b>\$ 19,557,403</b>	<b>\$ 20,104,883</b>
<b>COSTS</b>			
<b>Departmental O&amp;M</b>	\$ (10,114,192)	(10,114,192)	(10,114,193)
<b>Capital Costs</b>			
Contribution to Capital Spending Acct.	(2,500,000)	(2,500,000)	(2,500,000)
Contribution to Debt Service Acct.	(6,783,195)	(\$6,783,195)	\$ (7,337,411)
<b>Total Capital Costs</b>	<b>\$ (9,283,195)</b>	<b>(9,283,195)</b>	<b>(9,837,411)</b>
<b>Operating Revenue Allowance</b>	(151,713)	(151,713)	(151,713)
<b>Total Costs</b>	<b>\$ (19,549,100)</b>	<b>\$ (19,549,100)</b>	<b>\$ (20,103,316)</b>
<b>Revenue Surplus (Deficit)</b>	<b>\$ (1,787,156)</b>	<b>\$ 8,302</b>	<b>\$ 1,566</b>

## Docket 4933

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

	<b>Docket 4595 Rates</b>	Cost of Service	<b>Proposed Rates</b>	% Change	Projected Revenues		
<b>Base Charge (per bill)</b>							
Monthly							
5/8	\$ 5.02	\$ 5.4431	\$ 5.45	9%	\$701,153		
3/4	\$ 5.27	5.7020	5.71	8%	173,630		
1	\$ 7.03	7.5890	7.59	8%	52,007		
1.5	\$ 11.33	12.2009	12.21	8%	56,117		
2	\$ 15.86	17.0112	17.02	7%	52,081		
3	\$ 41.71	44.3209	44.33	6%	31,918		
4	\$ 49.12	52.0878	52.09	6%	9,376		
5	\$ 58.99	62.4436	62.45	6%	0		
6	\$ 66.40	70.2105	70.22	6%	28,650		
8	\$ 86.15	90.9222	90.93	6%	4,365		
10	\$ 121.95	128.4621	128.47	5%	3,083		
Portsmouth Base Charge (4")	\$ 1.36	1.5631	1.57	15%	19		
					1,112,398		
<b>Volume Charge (per 1,000 gallons)</b>							
Retail							
Residential	\$ 10.02	\$ 11.1597	11.16	11%	6,969,420		
Non-Residential	\$ 11.22	\$ 11.6193	11.62	4%	5,173,224		
					\$ 12,142,644		
Wholesale							
Navy	\$ 6.5190	\$ 7.7425	\$ 7.6761	18%	1,450,020		
Portsmouth Water & Fire District	\$ 5.2920	\$ 6.8032	\$ 6.2313	18%	2,349,211		
					\$ 3,799,231		
<b>Fire Protection</b>							
Public (per hydrant)							
	\$ 944.22	\$ 1,194.48	\$ 1,111.82	18%	\$ 1,158,516		
Private (by Connection Size)							
	Connection Size	Existing Charge					
	<2	\$33.26	\$ 38.15	\$ 39.17	18%		
	2	6.19	\$139.26	\$ 159.72	\$ 163.98	18%	-
	4	38.32	\$468.22	\$ 562.11	\$ 551.33	18%	43,555
	6	111.31	\$1,055.81	\$ 1,303.47	\$ 1,243.22	18%	294,643
	8	237.21	\$2,069.28	\$ 2,582.16	\$ 2,436.58	18%	131,575
	10	426.58	\$3,593.75	\$ 4,505.56	\$ 4,231.65	18%	21,158
	12	689.04	\$5,706.61	\$ 7,171.34	\$ 6,719.54	18%	-
						\$ 490,932	

**Total Projected Rate Revenues \$ 18,703,722**

## Docket 4933

Rhode Island Public Utilities Commission  
 Docket 4933  
 FY 2020 Rate Filing  
 HJS Schedule A-5B Joint Settlement  
 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	\$ 5.45	9%	\$ 5.60	3%
3/4	\$ 5.27	\$ 5.71	8%	\$ 5.87	3%
1	\$ 7.03	\$ 7.59	8%	\$ 7.83	3%
1.5	\$ 11.33	\$ 12.21	8%	\$ 12.61	3%
2	\$ 15.86	\$ 17.02	7%	\$ 17.60	3%
3	\$ 41.71	\$ 44.33	6%	\$ 45.93	4%
4	\$ 49.12	\$ 52.09	6%	\$ 53.99	4%
5	\$ 58.99	\$ 62.45	6%	\$ 64.73	4%
6	\$ 66.40	\$ 70.22	6%	\$ 72.79	4%
8	\$ 86.15	\$ 90.93	6%	\$ 94.28	4%
10	\$ 121.95	\$ 128.47	5%	\$ 133.24	4%
Portsmouth Base Charge (4")	\$ 1.36	\$ 1.57	15%	\$ 1.58	1%
Commodity Charge (per 1,000 gallons)					
Retail					
Residential	\$ 10.02	\$ 11.16	11%	\$ 11.16	0%
Non-Residential	\$ 11.22	\$ 11.62	4%	\$ 11.62	0%
Wholesale					
Navy	\$ 6.5190	\$ 7.6761	18%	\$ 7.9631	4%
Portsmouth Water & Fire District	\$ 5.2920	\$ 6.2313	18%	\$ 6.9964	12%
Fire Protection					
Public (per hydrant)	\$ 944.22	\$ 1,111.82	18%	\$ 1,235.09	11%
Private (Connection Size)					
Less than 2"	\$33.26	\$ 39.17	18%	\$ 39.50	1%
2"	\$139.26	\$ 163.98	18%	\$ 165.37	1%
4"	\$468.22	\$ 551.33	18%	\$ 581.82	6%
6"	\$1,055.81	\$ 1,243.22	18%	\$ 1,348.78	8%
8"	\$2,069.28	\$ 2,436.58	18%	\$ 2,671.65	10%
10"	\$3,593.75	\$ 4,231.65	18%	\$ 4,661.50	10%
12"	\$5,706.61	\$ 6,719.54	18%	\$ 7,419.37	10%

Docket 4933

**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							

Docket 4933

	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	93,392	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	37,118	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	1,524,867									

Docket 4933

Rate Year		Allocation Notes	Base	Max Day	Max Hour	Metering	Billing	Services	Fire	Total % Allocated
<b>Customer Service</b>										
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%
<b>Subtotal</b>	<b>790,789</b>									
<b>Source of Supply - Island</b>										
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%
<b>Subtotal</b>	<b>\$ 787,054</b>									
<b>Source of Supply - Mainland</b>										
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%
<b>Subtotal</b>	<b>\$ 212,472</b>									

Docket 4933

	Rate Year	Allocation Notes	Base	Max Day	Max Hour	Metering	Billing	Services	Fire	Total % Allocated
<b>Station One (Excludes chemicals)</b>										
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									
<b>Lawton Valley (Excludes chemicals)</b>										
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									

Docket 4933

	Rate Year	Allocation Notes	Base	Max Day	Max Hour	Metering	Billing	Services	Fire	Total % Allocated
<b>Laboratory</b>										
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	<b>\$ 365,034</b>									
<b>Transmission and Distribution</b>										
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	<b>\$ 1,163,954</b>									
Fire Protection	31,300	100% Fire	0%	0%	0%	0%	0%	0%	100%	100%
<b>Total O&amp;M Costs</b>	<b>10,114,192</b>									

Docket 4933

	Rate Year	Allocation Notes	Base	Max Day	Max Hour	Metering	Billing	Services	Fire	Total % Allocated
<b>CAPITAL COSTS</b>										
Water Supply	1,390,098	100% Base	100%	0%	0%	0%	0%	0%	0%	100%
Treatment Station 1	2,182,211	Maximum Day Demand Patterns	65%	35%	0%	0%	0%	0%	0%	100%
Treatment Lawton Valley	2,533,800	Maximum Day Demand Patterns	65%	35%	0%	0%	0%	0%	0%	100%
Treatment Both Plants	733,383	Maximum Day Demand Patterns	65%	35%	0%	0%	0%	0%	0%	100%
T&D Pumping	59,546	Maximum Hour Demand Patterns	39%	21%	40%	0%	0%	0%	0%	100%
T&D	1,772,079	Maximum Hour Demand Patterns	39%	21%	40%	0%	0%	0%	0%	100%
Fire	27,134	100% Fire	0%	0%	0%	0%	0%	0%	100%	100%
Meters	343,887	100% Meters	0%	0%	0%	100%	0%	0%	0%	100%
Services	217,735	100 % Services	0%	0%	0%	0%	0%	100%	0%	100%
Billing	23,322	100% Billing	0%	0%	0%	0%	100%	0%	0%	100%
<b>Total Capital Costs excluding Treatment</b>	<b>9,283,195</b>									
<b>Revenue Allowance</b>	<b>151,713</b>	100% base	100%							100%
<b>Total Costs before Offsets</b>	<b>19,549,100</b>									
<b>OFFSETS</b>										
<b>Nonrate Revenues</b>										
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%
<b>Total Nonrate Revenues</b>	<b>855,564</b>									
<b>Net Costs To Recover Through Rates</b>	<b>\$ 18,693,536</b>									
	\$ -									

Docket 4933

	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

Docket 4933

	Base	Max Day	Max Hour	Metering	Billing	Services	Fire	Total \$ Allocated
<b>All Other Administrative Costs</b>								
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	56,564	16,334	7,146	5,400	5,837	1,620	490	93,392
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
<b>Legal &amp; Administrative</b>								
Audit Fees	3,212	962	346	199	115	93	17	4,944
OPEB Contribution	20,457	6,129	2,201	1,270	730	592	108	31,488
City Council	2,562	768	276	159	91	74	13	3,943
City Clerk	2,947	883	317	183	105	85	16	4,537
City Manager	49,778	14,915	5,356	3,091	1,777	1,442	262	76,621
Human Resources	3,621	1,271	525	366	313	94	3	6,193
City Solicitor	24,114	7,225	2,595	1,497	861	698	127	37,118
Finance Adimistrative 50%	17,029	5,102	1,832	1,057	608	493	90	26,212
Finance Adimistrative 5%	2,185	655	235	136	78	63	12	3,363
Finance Admin 10% Inv/Debt	7,672	2,299	825	476	274	222	40	11,809
Purchasing	14,555	4,361	1,566	904	520	422	77	22,404
Assessment	-	-	-	-	-	-	-	-
Collections	-	-	-	-	24,828	-	-	24,828
Accounting - Wires - 5%	5,944	1,781	640	369	212	172	31	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	917,203	269,117	113,850	82,770	108,609	26,204	7,113	1,524,867

Docket 4933

	Base	Max Day	Max Hour	Metering	Billing	Services	Fire	Total \$ Allocated
<b>Customer Service</b>								
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
<b>Source of Supply - Island</b>								
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
<b>Source of Supply - Mainland</b>								
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

Docket 4933

	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

Docket 4933

	Base	Max Day	Max Hour	Metering	Billing	Services	Fire	Total \$ Allocated
<b>Laboratory</b>								
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
<b>Transmission and Distribution</b>								
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	<b>5,283,817</b>	<b>1,042,834</b>	<b>456,245</b>	<b>344,728</b>	<b>372,618</b>	<b>103,443</b>	<b>31,300</b>	<b>7,634,985</b>

Docket 4933

	Base	Max Day	Max Hour	Metering	Billing	Services	Fire	Total \$ Allocated
Water Supply	1,390,098	-	-	-	-	-	-	1,390,098
Treatment Station 1	1,421,915	760,296	-	-	-	-	-	2,182,211
Treatment Lawton Valley	1,651,008	882,792	-	-	-	-	-	2,533,800
Treatment Both Plants	477,868	255,515	-	-	-	-	-	733,383
T&D Pumping	23,189	12,399	23,958	-	-	-	-	59,546
T&D	690,094	368,992	712,993	-	-	-	-	1,772,079
Fire	-	-	-	-	-	-	27,134	27,134
Meters	-	-	-	343,887	-	-	-	343,887
Services	-	-	-	-	-	217,735	-	217,735
Billing	-	-	-	-	23,322	-	-	23,322
	<b>5,654,172</b>	<b>2,279,994</b>	<b>736,951</b>	<b>343,887</b>	<b>23,322</b>	<b>217,735</b>	<b>27,134</b>	<b>9,283,195</b>
	61%	25%	8%	4%	0%	2%	0%	100%
	151,713	-	-	-	-	-	-	151,713
<b>Total Non-Admin Costs</b>	<b>11,089,702</b>	<b>3,322,828</b>	<b>1,193,196</b>	<b>688,614</b>	<b>395,941</b>	<b>321,178</b>	<b>58,434</b>	<b>17,069,894</b>
	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
	<b>205,304</b>	<b>53,223</b>	<b>23,285</b>	<b>282,726</b>	<b>284,149</b>	<b>5,279</b>	<b>1,597</b>	<b>855,564</b>
	<b>\$ 10,884,399</b>	<b>\$ 3,269,605</b>	<b>\$ 1,169,910</b>	<b>\$ 405,889</b>	<b>\$ 111,792</b>	<b>\$ 315,899</b>	<b>\$ 56,837</b>	<b>\$ 16,214,330</b>

Docket 4933

<b>Non-Admin O&amp;M Costs</b>	\$	5,283,817	\$	1,042,834	\$	456,245	\$	344,728	\$	372,618	\$	103,443	\$	31,300	\$	<b>7,634,985</b>
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
		<b>61%</b>		<b>17%</b>		<b>8%</b>		<b>6%</b>		<b>6%</b>		<b>2%</b>		<b>1%</b>		<b>100%</b>

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%	

## Docket 4933

ALLOCATION RESULTS Cost Category	Rate Year	Commodity Charges					Total \$ Allocated	
		Base Charge	Retail		Navy	Portsmouth		Fire
			Residential	Non-Residential				
<b>Base</b>								
Base excluding T&D&WQPF & Pumping	9,934,828	4,093,278	2,918,058	1,023,532	1,899,960	-	9,934,828	
Transmission & Distribution	1,131,685	615,744	438,958	76,984	-	-	1,131,685	
Pumping	23,189	11,813	8,422	2,954	-	-	23,189	
Water Quality Protection Fees	(21,000)	(12,260)	(8,740)	-	-	-	(21,000)	
Revenue Offsets	(184,304)	(78,457)	(55,931)	(18,339)	(31,576)	-	(184,304)	
Administrative Charges	1,484,750	632,051	450,583	147,739	254,377	-	1,484,750	
<b>Max Day</b>								
Max Day Except T&D & Pumping	2,705,319	874,204	687,307	151,840	394,763	597,204	2,705,319	
Transmission & Distribution	605,111	236,723	186,114	20,558	-	161,715	605,111	
Pumping	12,399	4,691	3,688	815	-	3,205	12,399	
Revenue Offsets	(53,223)	(17,869)	(14,049)	(2,774)	(6,323)	(12,207)	(53,223)	
Administrative Charges	451,178	151,480	119,095	23,519	53,601	103,482	451,178	
<b>Max Hour</b>								
Max Hr. Except T&D & Pumping	-	-	-	-	-	-	-	
Transmission & Distribution	1,169,237	222,756	250,119	30,121	-	666,242	1,169,237	
Pumping	23,958	4,450	4,996	1,203	-	13,309	23,958	
Revenue Offsets	(23,285)	(4,434)	(4,979)	(611)	-	(13,261)	(23,285)	
Administrative Charges	191,037	36,377	40,845	5,015	-	108,799	191,037	
<b>Metering</b>								
Metering	688,614	688,614	-	-	-	-	688,614	
Revenue Offsets	(282,726)	(282,726)	-	-	-	-	(282,726)	
Administrative Charges	138,569	138,569	-	-	-	-	138,569	
<b>Services</b>								
Services	321,178	321,178	-	-	-	-	321,178	
Revenue Offsets	(5,279)	(5,279)	-	-	-	-	(5,279)	
Administrative Charges	41,646	41,646	-	-	-	-	41,646	
<b>Billing</b>								
Billing	395,941	395,941	-	-	-	-	395,941	
Revenue Offsets	(284,149)	(284,149)	-	-	-	-	(284,149)	
Administrative Charges	162,253	162,253	-	-	-	-	162,253	
<b>Fire</b>								
Fire	58,434	-	-	-	-	58,434	58,434	
Revenue Offsets	(1,597)	-	-	-	-	(1,597)	(1,597)	
Administrative Charges	9,773	-	-	-	-	9,773	9,773	
<b>Treatment Plant Capital Costs</b>								
Treatment Plant Avg. Day	-	-	-	-	-	-	-	
Treatment Plant Max. Day	-	-	-	-	-	-	-	
		Treatment Capital Allocated Using B/EC (See Schedule HJS-5)						
		-	-	-	-	-	-	
		-	-	-	-	-	-	
<b>Total To Recover through Rates</b>	<b>\$ 18,693,536</b>	<b>\$ 1,176,047</b>	<b>\$ 6,770,548</b>	<b>\$ 5,024,486</b>	<b>\$ 1,462,556</b>	<b>\$ 2,564,802</b>	<b>\$ 1,695,097</b>	<b>\$ 18,693,536</b>

6%      36%      27%      8%      14%      9%      1

**COST OF SERVICE PER UNIT**

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

Metering		Services		Hydrants		Total
(1)	(2)	(2)	(2)	(2)	(3)	
Equivalent meters x 12 months	1000's of gallons annually	Equivalent Connections				
2.9%	36.2%	26.9%	7.8%	13.7%	8.7%	100.0%
\$ 544,458	\$ 6,770,548	\$ 5,024,486	\$ 1,462,556	\$ 2,564,802	\$ 1,628,487	\$ 18,693,536
210,300	624,500	445,200	188,900	377,000	160,336	
<b>\$2.5890</b>	<b>\$10.84</b>	<b>\$11.29</b>	<b>\$7.74</b>	<b>\$6.80</b>	<b>\$10.16</b>	
per equiv per month	per 1000 gallons	per 1000 gallons	per 1000 gallons	per 1000 gallons	Equivalent connections	

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%
\$ 274,044	\$ 357,545	\$ 66,610
175,323	276,936	1,042
<b>\$1.5631</b>	<b>\$1.2911</b>	<b>\$63.9249</b>
per bill	per equiv	per Hydrant

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

Docket 4933

<b>Allocation Basis</b>	<b>Used to allocate the following cost categories</b>	<b>Source Schedule</b>	<b>Base</b>	<b>Max Day</b>	<b>Max Hour</b>	<b>Metering</b>	<b>Billing</b>	<b>Services</b>	<b>Direct Fire Protection</b>	<b>Total % Allocated</b>
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, &amp; Benefits</i>	B-1	61%	17%	8%	6%	6%	2%	1%	100%
Customer Service Salaries and Wages	<i>Customer Service Salaries, Wages, &amp; 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
<b>Salary \$ Allocation Results</b>	\$	<b>297,917</b>

**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%
<b>\$ 180,438</b>	<b>\$ 52,107</b>	<b>\$ 22,797</b>	<b>\$ 17,225</b>	<b>\$ 18,618</b>	<b>\$ 5,169</b>	<b>\$ 1,564</b>	<b>\$ 297,917</b>
<b>61%</b>	<b>17%</b>	<b>8%</b>	<b>6%</b>	<b>6%</b>	<b>2%</b>	<b>1%</b>	<b>100%</b>

**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
<b>Salary \$ Allocation Results</b>	\$	<b>333,414</b>

**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%
			<b>\$ 160,274</b>	<b>\$ 132,914</b>	<b>\$ 40,226</b>		<b>\$ 333,414</b>
<b>0%</b>	<b>0%</b>	<b>0%</b>	<b>48%</b>	<b>40%</b>	<b>12%</b>	<b>0%</b>	<b>100%</b>

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	\$ 6,783,195	15%	24%	27%	8%	19%	1%	0%	4%	2%	0%	100%
	\$ 9,283,195											

		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	\$ 6,783,195	\$ 1,015,739	\$ 1,594,534	\$ 1,851,438	\$ 535,880	\$ 1,294,851	\$ 43,510	\$ 19,827	\$ 251,277	\$ 159,098	\$ 17,042	\$ 6,783,195
	\$ 9,283,195	\$ 1,390,098	\$ 2,182,211	\$ 2,533,800	\$ 733,383	\$ 1,772,079	\$ 59,546	\$ 27,134	\$ 343,887	\$ 217,735	\$ 23,322	\$ 9,283,195

	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		
<b>Annual Demand by Class</b>													
Residential	640,966	618,574	663,331	651,514	670,930	621,387	643,010	609,006	626,008	624,468	605,896	<b>624,500</b>	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	<b>445,200</b>	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	<b>188,900</b>	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	<b>377,000</b>	432,782
<b>Total (in 1000's Gallons)</b>	<b>1,679,999</b>	<b>1,721,706</b>	<b>1,811,009</b>	<b>1,830,502</b>	<b>1,766,072</b>	<b>1,636,047</b>	<b>1,660,901</b>	<b>1,609,792</b>	<b>1,635,347</b>	<b>1,635,580</b>	<b>1,596,198</b>	<b>1,635,600</b>	<b>1,798,287</b>

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	<b>1,971,016</b>	
Average Day Production	6,312	5,643	5,675	5,795	5,554	5,434	5,371	5,429	<b>5,400.04</b>	
Maximum Month Production	268,468	244,463	236,739	227,653	219,066	206,310	229,041	211,420	<b>220,230</b>	
Maximum Day Production	10,163	10,606	9,721	9,462	8,690	7,878	8,660	7,915	<b>8,287</b>	
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	<b>1.5</b>	<b>1.94</b>
Max-Day to Avg. Day/Max-Month Ratio	1.17	1.34	1.27	1.29	1.23	1.18	1.17	1.16	<b>1.2</b>	<b>1.33</b>
Maximum Hour	12,100	12,500	14,200	12,500	16,000	12,600	13,100	15,900	<b>13,867</b>	
Maximum Hour Peaking Factor	1.92	2.22	2.50	2.16	2.88	2.32	2.44	2.93	<b>2.9</b>	<b>2.70</b>
										<b>0.92</b>

(1) Calculated according to AWWA M-1 Guidelines

**Estimation of Each Customer Class' Peaking Factors**

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

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

Customer Class	Rate Year Demand (1,000 gallons)							% Average Demand Ex PWFD & 50% Navy	% Average Demand Ex PWFD
	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%	0.0	
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%	5401	
Fire				-	0.0%	0.0%	0.0%		
<b>Total, w Fire Prot.</b>	<b>1,635,600</b>	<b>4,481</b>	<b>13%</b>	<b>5,401</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>		
			(1)						
Production	1,971,321	5,401	17.03%						

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%
<b>Total, w Fire Prot.</b>		<b>11,924</b>	<b>6,523</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>		<b>20,362</b>	<b>8,438</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>
<b>Total, without Fire Protection</b>		<b>10,484</b>	<b>5,083</b>						<b>14,602</b>	<b>4,118</b>			

(demand is in thousands of gallons)

(1) From HJS Schedule D-4 Joint Settlement. 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, Fire Protection Demand Analysis'.

**EACH RATE CLASS' SHARE OF SYSTEM PEAKS**

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

**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%
<b>Total%</b>		<b>100.0%</b>	<b>100.0%</b>
<b>Total 1000's Gallons</b>		<b>8,287</b>	<b>13,867</b>

**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

Docket 4933

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
<b>Total</b>	<b>14,579</b>	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
<b>Total</b>	<b>175,323</b>

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

	Connection Size	Existing Differential	Number of Connections	Equivalent Connections (2)	% of Equiv Connections
<b>Public Hydrants</b>					
Newport	6	111.31	624	69,458	
Middletown	6	111.31	409	45,526	
Portsmouth	6	111.31	9	1,002	
<b>Subtotal: Public Hydrants</b>			<b>1042</b>	<b>115,986</b>	<b>72%</b>
<b>Private Fire Connections</b>					
	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	
	12	689.04	0	-	
<b>Subtotal: Private Fire Connections</b>			<b>375</b>	<b>44,350</b>	<b>28%</b>
<b>Total Fire Connections</b>			<b>1,417</b>	<b>160,336</b>	<b>100%</b>

- (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	% of Equiv 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	
10	11.060	2	22	
<b>Subtotal General Service</b>		<b>14,579</b>	<b>18,931</b>	<b>82%</b>
<b>Private Fire Connections</b>				
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	
12	11.060	0	-	
<b>Subtotal: Private Fire Connections</b>		<b>375</b>	<b>4,148</b>	<b>18%</b>
<b>Annualized</b>			<b>12</b>	
<b>Total Retail &amp; Private Fire Connections</b>		<b>14,954</b>	<b>276,936</b>	<b>100%</b>

Docket 4933

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

Docket 4933

	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

## Docket 4933

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

	FY 2018 ACTUAL											
	July	August	September	October	November	December	January	February	March	April	May	June
<b>Debt Service Account</b>												
<b>Beginning Cash Balance</b>	\$ 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
<b>Additions</b>												
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
<b>Total Additions</b>	\$ 568,632	\$ 569,192	\$ 569,505	\$ 567,592	\$ 567,813	\$ 568,079	\$ 691,749	\$ 569,076	\$ 569,349	\$ 569,326	\$ 570,160	\$ 570,966
<b>Deductions</b>												
To Capital Restricted Acct.	-	-	-	-	-	-	-	-	-	-	-	-
Existing Debt Service	-	-	5,444,428	-	-	-	-	-	1,310,042	-	-	-
<b>Total Deductions</b>	\$ -	\$ -	\$ 5,444,428	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,310,042	\$ -	\$ -	\$ -
<b>Ending Cash Balance</b>	\$ 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
<b>Debt Service Account</b>												
<b>Beginning Cash Balance</b>	\$ 4,523,961	\$ 5,095,698	\$ 142,721	\$ 716,147	\$ 1,284,000	\$ 1,852,589	\$ 2,421,672	\$ 2,989,255	\$ 3,556,839	\$ 3,169,569	\$ 3,737,152	\$ 4,304,736
<b>Additions</b>												
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	1,500	-	-	-	-	-	-
<b>Total Additions</b>	\$ 571,736	\$ 572,912	\$ 573,426	\$ 567,854	\$ 568,589	\$ 569,083	\$ 567,583	\$ 567,583	\$ 567,583	\$ 567,583	\$ 567,583	\$ 567,583
<b>Deductions</b>												
To Capital Restricted Acct.	-	-	-	-	-	-	-	-	-	-	-	-
Use of Bond Proceeds	-	-	-	-	-	-	-	-	(304,528)	-	-	-
Existing Debt Service	-	5,525,888	-	-	-	-	-	-	1,259,382	-	-	-
<b>Total Deductions</b>	\$ -	\$ 5,525,888	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 954,853	\$ -	\$ -	\$ -
<b>Ending Cash Balance</b>	\$ 5,095,698	\$ 142,721	\$ 716,147	\$ 1,284,000	\$ 1,852,589	\$ 2,421,672	\$ 2,989,255	\$ 3,556,839	\$ 3,169,569	\$ 3,737,152	\$ 4,304,736	\$ 4,872,319

Docket 4933

FY 2020 PROJECTED												
July	August	September	October	November	December	January	February	March	April	May	June	
<b>Debt Service Account</b>												
<b>Beginning Cash Balance</b>	\$ 4,872,319	\$ 5,439,902	\$ 428,445	\$ 1,298,240	\$ 1,863,506	\$ 2,428,773	\$ 2,994,039	\$ 3,559,305	\$ 4,124,571	\$ 3,553,032	\$ 4,118,298	\$ 4,683,564
<b>Additions</b>												
From Rates	\$567,583	\$567,583	\$565,266	\$565,266	\$565,266	\$565,266	\$565,266	\$565,266	\$565,266	\$565,266	\$565,266	\$565,266
From Capital Restricted Acct.	-	-	-	-	-	-	-	-	-	-	-	-
Interest Income	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Additions</b>	\$ 567,583	\$ 567,583	\$ 565,266	\$ 565,266	\$ 565,266	\$ 565,266	\$ 565,266	\$ 565,266	\$ 565,266	\$ 565,266	\$ 565,266	\$ 565,266
<b>Deductions</b>												
To Capital Restricted Acct.	-	-	-	-	-	-	-	-	-	-	-	-
Use of Bond Proceeds	-	-	(304,528)	-	-	-	-	(67,349)	-	-	-	-
Existing Debt Service	-	5,579,040	-	-	-	-	-	1,204,155	-	-	-	-
<b>Total Deductions</b>	\$ -	\$ 5,579,040	\$ (304,528)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,136,806	\$ -	\$ -	\$ -
<b>Ending Cash Balance</b>	\$ 5,439,902	\$ 428,445	\$ 1,298,240	\$ 1,863,506	\$ 2,428,773	\$ 2,994,039	\$ 3,559,305	\$ 4,124,571	\$ 3,553,032	\$ 4,118,298	\$ 4,683,564	\$ 5,248,831

FY 2021 PROJECTED												
July	August	September	October	November	December	January	February	March	April	May	June	
<b>Debt Service Account</b>												
<b>Beginning Cash Balance</b>	\$ 5,248,831	\$ 5,814,097	\$ 603,848	\$ 1,169,114	\$ 1,734,381	\$ 2,299,647	\$ 2,864,913	\$ 3,430,179	\$ 3,995,446	\$ 3,333,777	\$ 3,899,043	\$ 4,464,309
<b>Additions</b>												
From Rates	\$565,266	\$565,266	\$565,266	\$565,266	\$565,266	\$565,266	\$565,266	\$565,266	\$565,266	\$565,266	\$565,266	\$565,266
From Capital Restricted Acct.	-	-	-	-	-	-	-	-	-	-	-	-
Interest Income	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Additions</b>	\$ 565,266	\$ 565,266	\$ 565,266	\$ 565,266	\$ 565,266	\$ 565,266	\$ 565,266	\$ 565,266	\$ 565,266	\$ 565,266	\$ 565,266	\$ 565,266
<b>Deductions</b>												
To Capital Restricted Acct.	-	-	-	-	-	-	-	-	-	-	-	-
Existing Debt Service	-	5,775,515	-	-	-	-	-	1,226,935	-	-	-	-
<b>Total Deductions</b>	\$ -	\$ 5,775,515	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,226,935	\$ -	\$ -	\$ -
<b>Ending Cash Balance</b>	\$ 5,814,097	\$ 603,848	\$ 1,169,114	\$ 1,734,381	\$ 2,299,647	\$ 2,864,913	\$ 3,430,179	\$ 3,995,446	\$ 3,333,777	\$ 3,899,043	\$ 4,464,309	\$ 5,029,575

Docket 4933

FY 2022 PROJECTED												
July	August	September	October	November	December	January	February	March	April	May	June	
<b>Debt Service Account</b>												
<b>Beginning Cash Balance</b>	\$ 5,029,575	\$ 5,641,026	\$ 306,330	\$ 917,781	\$ 1,529,232	\$ 2,140,683	\$ 2,752,134	\$ 3,363,585	\$ 3,975,036	\$ 3,424,843	\$ 4,036,294	\$ 4,647,745
<b>Additions</b>												
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	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Additions</b>	\$ 611,451	\$ 611,451	\$ 611,451	\$ 611,451	\$ 611,451	\$ 611,451	\$ 611,451	\$ 611,451	\$ 611,451	\$ 611,451	\$ 611,451	\$ 611,451
<b>Deductions</b>												
To Capital Restricted Acct.	-	-	-	-	-	-	-	-	-	-	-	-
Existing Debt Service	-	5,946,147	-	-	-	-	-	1,161,643	-	-	-	-
<b>Total Deductions</b>	\$ -	\$ 5,946,147	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,161,643	\$ -	\$ -	\$ -	\$ -
<b>Ending Cash Balance</b>	\$ 5,641,026	\$ 306,330	\$ 917,781	\$ 1,529,232	\$ 2,140,683	\$ 2,752,134	\$ 3,363,585	\$ 3,975,036	\$ 3,424,843	\$ 4,036,294	\$ 4,647,745	\$ 5,259,196

FY 2023 PROJECTED												
July	August	September	October	November	December	January	February	March	April	May	June	
<b>Debt Service Account</b>												
<b>Beginning Cash Balance</b>	\$ 5,259,196	\$ 5,870,647	\$ 299,961	\$ 911,412	\$ 1,522,862	\$ 2,134,313	\$ 2,745,764	\$ 3,357,215	\$ 3,968,666	\$ 3,427,757	\$ 4,039,208	\$ 4,650,659
<b>Additions</b>												
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	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Additions</b>	\$ 611,451	\$ 611,451	\$ 611,451	\$ 611,451	\$ 611,451	\$ 611,451	\$ 611,451	\$ 611,451	\$ 611,451	\$ 611,451	\$ 611,451	\$ 611,451
<b>Deductions</b>												
To Capital Restricted Acct.	-	-	-	-	-	-	-	-	-	-	-	-
Existing Debt Service	-	6,182,137	-	-	-	-	-	1,152,360	-	-	-	-
<b>Total Deductions</b>	\$ -	\$ 6,182,137	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,152,360	\$ -	\$ -	\$ -	\$ -
<b>Ending Cash Balance</b>	\$ 5,870,647	\$ 299,961	\$ 911,412	\$ 1,522,862	\$ 2,134,313	\$ 2,745,764	\$ 3,357,215	\$ 3,968,666	\$ 3,427,757	\$ 4,039,208	\$ 4,650,659	\$ 5,262,109

Docket 4933

FY 2024 PROJECTED												
July	August	September	October	November	December	January	February	March	April	May	June	
<b>Debt Service Account</b>												
<b>Beginning Cash Balance</b>	\$ 5,262,109	\$ 5,873,560	\$ 222,565	\$ 834,016	\$ 1,445,466	\$ 2,056,917	\$ 2,668,368	\$ 3,279,819	\$ 3,891,270	\$ 3,430,737	\$ 4,042,188	\$ 4,653,639
<b>Additions</b>												
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	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Additions</b>	\$ 611,451	\$ 611,451	\$ 611,451	\$ 611,451	\$ 611,451	\$ 611,451	\$ 611,451	\$ 611,451	\$ 611,451	\$ 611,451	\$ 611,451	\$ 611,451
<b>Deductions</b>												
To Capital Restricted Acct.	-	-	-	-	-	-	-	-	-	-	-	-
Existing Debt Service	-	6,262,447	-	-	-	-	-	1,071,984	-	-	-	-
<b>Total Deductions</b>	\$ -	\$ 6,262,447	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,071,984	\$ -	\$ -	\$ -	\$ -
<b>Ending Cash Balance</b>	\$ 5,873,560	\$ 222,565	\$ 834,016	\$ 1,445,466	\$ 2,056,917	\$ 2,668,368	\$ 3,279,819	\$ 3,891,270	\$ 3,430,737	\$ 4,042,188	\$ 4,653,639	\$ 5,265,090

FY 2025 PROJECTED												
July	August	September	October	November	December	January	February	March	April	May	June	
<b>Debt Service Account</b>												
<b>Beginning Cash Balance</b>	\$ 5,265,090	\$ 5,876,541	\$ 148,074	\$ 759,525	\$ 1,370,975	\$ 1,982,426	\$ 2,593,877	\$ 3,205,328	\$ 3,816,779	\$ 3,442,624	\$ 4,054,074	\$ 4,665,525
<b>Additions</b>												
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	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Additions</b>	\$ 611,451	\$ 611,451	\$ 611,451	\$ 611,451	\$ 611,451	\$ 611,451	\$ 611,451	\$ 611,451	\$ 611,451	\$ 611,451	\$ 611,451	\$ 611,451
<b>Deductions</b>												
To Capital Restricted Acct.	-	-	-	-	-	-	-	-	-	-	-	-
Existing Debt Service	-	6,339,918	-	-	-	-	-	985,606	-	-	-	-
<b>Total Deductions</b>	\$ -	\$ 6,339,918	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 985,606	\$ -	\$ -	\$ -	\$ -
<b>Ending Cash Balance</b>	\$ 5,876,541	\$ 148,074	\$ 759,525	\$ 1,370,975	\$ 1,982,426	\$ 2,593,877	\$ 3,205,328	\$ 3,816,779	\$ 3,442,624	\$ 4,054,074	\$ 4,665,525	\$ 5,276,976

Docket 4933

	FY 2026 PROJECTED											
	July	August	September	October	November	December	January	February	March	April	May	June
<b>Debt Service Account</b>												
<b>Beginning Cash Balance</b>	\$ 5,276,976	\$ 5,888,427	\$ 78,346	\$ 689,797	\$ 1,301,248	\$ 1,912,699	\$ 2,524,150	\$ 3,135,601	\$ 3,747,052	\$ 3,465,154	\$ 4,076,605	\$ 4,688,056
<b>Additions</b>												
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	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Additions</b>	\$ 611,451	\$ 611,451	\$ 611,451	\$ 611,451	\$ 611,451	\$ 611,451	\$ 611,451	\$ 611,451	\$ 611,451	\$ 611,451	\$ 611,451	\$ 611,451
<b>Deductions</b>												
To Capital Restricted Acct.	-	-	-	-	-	-	-	-	-	-	-	-
Existing Debt Service	-	6,421,532	-	-	-	-	-	-	893,349	-	-	-
<b>Total Deductions</b>	\$ -	\$ 6,421,532	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 893,349	\$ -	\$ -	\$ -
<b>Ending Cash Balance</b>	\$ 5,888,427	\$ 78,346	\$ 689,797	\$ 1,301,248	\$ 1,912,699	\$ 2,524,150	\$ 3,135,601	\$ 3,747,052	\$ 3,465,154	\$ 4,076,605	\$ 4,688,056	\$ 5,299,507

**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
<b>Max Day Capacity Factor</b>	<b>1.95</b>	<b>2.04</b>

	<u>Based on Daily Meter Data<sup>2</sup></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.

FY 18 System Demand Data

Docket 4933

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

<b>Max Day Diversity Factor Calculation</b>	<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	<b>Total MD Demand</b>
Max Day Demand (Avg. Day X MD Demand Factor)	3.25	2.45	0.88	1.96	<b>8.5</b>
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
			<b>Max Day Diversity Factor</b>		<b>1.08</b>

<b>Maximum Hour Demand Factor Calculation</b>	<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 <sup>3</sup>	1.33	1.50		1.33	
Calculated MH Capacity Factor	2.60	3.07	2.36	2.56	

<b>Max Hour Diversity Factor Calculation</b>	<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	<b>Total MH Demand</b>
Max Hour Demand (Avg. Day X MH Demand Factor)	4.33	3.68	1.25	2.61	<b>11.88</b>
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
			<b>Max Hour Diversity Factor</b>		<b>0.75</b>

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.

## Docket 4933

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

	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018
<b>Fiscal Year Annual Demand</b>								
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
<b>Total 1000's Gallons</b>	<b>1,679,999</b>	<b>1,721,706</b>	<b>1,811,009</b>	<b>1,830,502</b>	<b>1,766,072</b>	<b>1,636,047</b>	<b>1,660,901</b>	<b>1,609,792</b>

**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
<b>NonCoincident Max Month</b>	<b>217,088</b>	<b>-</b>	<b>341,302</b>	<b>349,715</b>	<b>210,996</b>	<b>189,216</b>	<b>213,910</b>	<b>185,425</b>

**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%

Docket No. 4933

Rhode Island Public Utilities Commission  
 Docket 4933  
 FY 2020 Rate Filing  
 HJS Schedule D-7 Joint Settlement  
 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 <u>\$3,791</u>					
			\$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	<u>\$1,400</u>					

Docket No. 4933

Rhode Island Public Utilities Commission  
 Docket 4933  
 FY 2020 Rate Filing  
 HJS Schedule D-7 Joint Settlement  
 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	\$110,000	\$36,667				
	Financial Consultant Rate case		\$67,000	\$ 22,333				
	PUC Rate Case Fees		\$60,350	\$20,117				
	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	\$251,625	\$93,392	\$136,878	\$136,878	\$ 14,275	\$79,117
							Settlement Adjustment	\$ (158,233)
							Settlement Amount	\$93,392

Docket No. 4933

Rhode Island Public Utilities Commission  
 Docket 4933  
 FY 2020 Rate Filing  
 HJS Schedule D-7 Joint Settlement  
 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	<b>updated to FY 2019 Budget</b>	\$ 328,312	\$333,848	\$333,848	\$ 333,848	-\$5,536	\$ 328,312	
50267	Data Processing (MIS)	<b>updated to FY 2019 Budget</b>	\$ 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	\$ 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	

Docket No. 4933

Rhode Island Public Utilities Commission  
 Docket 4933  
 FY 2020 Rate Filing  
 HJS Schedule D-7 Joint Settlement  
 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	\$ 75
								\$ 1,800
50306	Electricity 70 Halsey St.							
		2 yr. avg kwh usage	37,332					
		total cost	\$6,950	\$ 6,950	\$ 7,956	\$ 7,956	\$ 7,293	\$ 108
								\$ 6,950
							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	-\$934
								\$ 5,125
							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	

Docket No. 4933

Rhode Island Public Utilities Commission  
 Docket 4933  
 FY 2020 Rate Filing  
 HJS Schedule D-7 Joint Settlement  
 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
<b>Total</b>			<b>\$2,559,967</b>	<b>\$2,237,828</b>	<b>\$2,267,479</b>	<b>\$ 2,263,955</b>	<b>\$216,280</b>	<b>\$ 2,479,207</b>
		<i>check</i>	\$ 2,479,207	\$2,237,828		\$ 2,414,709		

Docket No. 4933

Rhode Island Public Utilities Commission  
 Docket 4933  
 FY 2020 Rate Filing  
 HJS Schedule D-8 Joint Settlement  
 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		Test year to Proposed
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					
	<b>Total</b>		<b>\$333,414</b>	<b>\$297,917</b>	<b>\$316,581</b>	<b>\$291,674</b>	<b>\$41,740</b>	<b>\$333,414</b>
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		\$524					
	<b>Total</b>		<b>\$235,533</b>	<b>\$235,010</b>	<b>\$174,457</b>	<b>\$173,340</b>	<b>\$62,672</b>	<b>\$235,533</b>
							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

Docket No. 4933

Rhode Island Public Utilities Commission  
 Docket 4933  
 FY 2020 Rate Filing  
 HJS Schedule D-8 Joint Settlement  
 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

Docket No. 4933

Rhode Island Public Utilities Commission  
 Docket 4933  
 FY 2020 Rate Filing  
 HJS Schedule D-8 Joint Settlement  
 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					
	<b>Total</b>		<b>\$10,000</b>	<b>\$10,000</b>	<b>\$10,000</b>	<b>\$7,696</b>	<b>\$2,304</b>	<b>\$10,000</b>
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							
	<b>Total</b>		<b>\$5,000</b>	<b>\$5,000</b>	<b>\$5,000</b>	<b>\$7,924</b>	<b>(\$3,268)</b>	<b>\$5,000</b>
							<i>Settlement Adjustment</i>	<b>\$ (344)</b>
							<i>Settlement Amount</i>	<b>\$4,656</b>
50320	Uniforms & protective Gear							
	Unifirst uniforms		\$1,450					
	Safety Vests		\$150					
	Hi Viz Jackets		\$300					
	Gloves, Safety Glasses, Respirator, etc.		<u>\$550</u>					
	<b>Total</b>		<b>\$2,450</b>	<b>\$1,000</b>	<b>\$1,000</b>	<b>\$0</b>	<b>\$2,450</b>	<b>\$2,450</b>
50380	Customer Service Supplies							
	Conservation material		\$ 3,000	\$5,000	\$5,000	\$1,951	\$1,049	\$3,000
<b>Total</b>			<b>\$ 797,112</b>	<b>\$763,562</b>	<b>\$726,903</b>	<b>\$637,490</b>	<b>\$152,763</b>	<b>\$790,789</b>

Docket 4933

Rhode Island Public Utilities Commission  
 Docket 4933  
 FY 2020 Rate Filing  
 HJS Schedule D-9 Joint Settlement  
 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

Docket 4933

Rhode Island Public Utilities Commission  
 Docket 4933  
 FY 2020 Rate Filing  
 HJS Schedule D-9 Joint Settlement  
 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

Docket 4933

Rhode Island Public Utilities Commission  
 Docket 4933  
 FY 2020 Rate Filing  
 HJS Schedule D-9 Joint Settlement  
 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						
		<b>Total</b>	<b>\$6,700</b>	<b>\$ 7,500</b>	<b>\$ 7,500</b>	<b>\$ 9,251</b>	<b>(3,011)</b>	<b>\$6,700</b>
							<i>Settlement Adjustment</i>	<b>\$ (460)</b>
							<i>Settlement Amount</i>	<b>\$6,240</b>
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					
			<b>\$2,000</b>	<b>\$ 1,510</b>	<b>\$ 1,510</b>	<b>\$ 238</b>	<b>1,762</b>	<b>\$ 2,000</b>
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					
		<b>total cost</b>	<b>\$ 94,800</b>	<b>\$ 66,800</b>	<b>\$ 66,800</b>	<b>\$ 61,200</b>	<b>33,600</b>	<b>\$ 94,800</b>
<b>total</b>			<b>\$ 826,143</b>	<b>\$ 747,085</b>	<b>\$ 771,826</b>	<b>\$ 713,772</b>	<b>73,282</b>	<b>\$ 787,054</b>

Docket 4933

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
							<b>\$ 4,000</b>
							<i>Rebuttal Adjustment</i> \$ 4,922
							<i>Rebuttal Amount</i> <b>\$ 8,922</b>
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
							<b>\$ 27,000</b>
							<i>Rebuttal Adjustment</i> \$ (7,235)
							<i>Rebuttal Amount</i> <b>\$ 19,765</b>
50005	Permanent Part time	12 months @ \$1,075 Caretaker Sakonnet Pump Station	\$ 12,900	\$ 12,900	\$ 12,900	\$ 6,040	<b>\$ 6,860</b>
	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
							<b>\$ 3,358</b>
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
							<b>\$160,790</b>
							<i>Rebuttal Adjustment</i> \$ (18,824)
							<i>Rebuttal Amount</i> <b>\$141,966</b>
							<i>Settlement Adjustment</i> \$ (3,905)
							<i>Settlement Amount</i> <b>\$138,061</b>
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				

Docket 4933

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
<b>total</b>			\$	<b>237,548</b>	\$ <b>223,955</b>	\$ <b>223,985</b>	\$ <b>207,062</b>	\$ <b>5,410</b>	\$ <b>212,472</b>

## Docket 4933

Rhode Island Public Utilities Commission  
 Docket 4933  
 FY 2020 Rate Filing  
 HJS Schedule D-11 Joint Settlement  
 Expense Detail - Station One  
 15-500-2222

Account	Description	Comments	Detail	Calculation			Actual FY 2018 Test Year	Change from Test year to Proposed			Proposed FY 2020 Rate Year
					Docket 4595	Budget 2018			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							
		<b>Total</b>		<b>\$513,045</b>	<b>\$ 511,075</b>	<b>\$ 558,686</b>	<b>\$ 561,329</b>	<b>\$ (48,284)</b>	<b>519,056</b>	<b>\$547,256</b>	<b>\$ 513,045</b>
50002	Overtime										
		2017 - \$78k									
		2018 - \$92k									
		avg plus 2% in both 2019 & 2020									
		<b>total</b>		<b>\$ 88,500</b>	<b>\$ 102,940</b>	<b>\$ 102,940</b>	<b>\$ 91,625</b>	<b>\$ (5,194)</b>	<b>60,021</b>	<b>\$102,940</b>	<b>\$ 88,500</b>
											<b>Rebuttal Adjustment \$ (2,069)</b>
											<b>Rebuttal Amount \$ 86,431</b>
50003	Holiday Pay										
		Operators		9.0							
		Holidays		12							
		Hours/Holiday		8							
		Average Pay Rate		\$ 25.21							
		<b>Total</b>		<b>\$ 21,781</b>	<b>\$ 22,032</b>	<b>\$ 22,032</b>	<b>\$ 20,686</b>	<b>\$ 1,095</b>	<b>18,935</b>	<b>\$22,032</b>	<b>\$ 21,781</b>
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

## Docket 4933

Rhode Island Public Utilities Commission  
 Docket 4933  
 FY 2020 Rate Filing  
 HJS Schedule D-11 Joint Settlement  
 Expense Detail - Station One  
 15-500-2222

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

## Docket 4933

Rhode Island Public Utilities Commission  
 Docket 4933  
 FY 2020 Rate Filing  
 HJS Schedule D-11 Joint Settlement  
 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
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

## Docket 4933

Rhode Island Public Utilities Commission  
 Docket 4933  
 FY 2020 Rate Filing  
 HJS Schedule D-11 Joint Settlement  
 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					
	<b>Total</b>			\$ 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

## Docket 4933

Rhode Island Public Utilities Commission  
 Docket 4933  
 FY 2020 Rate Filing  
 HJS Schedule D-11 Joint Settlement  
 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		Budget 2015	Budget FY 2019		
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

## Docket 4933

Rhode Island Public Utilities Commission  
 Docket 4933  
 FY 2020 Rate Filing  
 HJS Schedule D-12 Joint Settlement  
 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					
	<b>Total</b>		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					\$ -
	<b>Total</b>		\$ 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

## Docket 4933

Rhode Island Public Utilities Commission  
 Docket 4933  
 FY 2020 Rate Filing  
 HJS Schedule D-12 Joint Settlement  
 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
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
							Rebuttal Adjustment	\$ (431)
							Rebuttal Amount	\$ 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
							Settlement Adjustment	\$ (1,600)
							Settlement Amount	\$ 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
							Rebuttal Adjustment	\$ (7,531)
							Rebuttal Amount	\$ 294,124
							Settlement Adjustment	\$ (8,090)
							Settlement Amount	\$ 286,034

Docket 4933

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

Account	Description	Comments	Calc	Docket 4595	Budget 2018	Actual FY 2018	Change from	Proposed FY
			2 yr average			Test Year	Test year to	2020 Rate Year
							Proposed	
50307	Natural Gas		25,374					
		Total Cost	cost \$ 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 Pumppps 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  
 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					
	<b>Total</b>		\$ 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					
	<b>Total</b>		\$ 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  
 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
		<b>total</b>	<b>\$ 2,445,097</b>	<b>\$ 2,381,806</b>	<b>\$ 2,321,852</b>	<b>\$ 2,188,773</b>	<b>\$ 194,334</b>	<b>\$ 2,383,107</b>

## Docket 4933

Rhode Island Public Utilities Commission  
 Docket 4933  
 FY 2020 Rate Filing  
 HJS Schedule D-13 Joint Settlement  
 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					
		<b>Total</b>		<b>\$143,963</b>	\$ 121,179	\$123,419	\$ 105,565	\$ 38,398	<b>\$143,963</b>
50100	Employee Benefits	Laboratory Supervisor	U3-1	\$44,841					
		Microbiologist	U4-2	\$41,608					
		Benefits on Annual leave buyback		\$325					
		<b>Total</b>		<b>\$86,774</b>	\$ 55,194	\$59,707	\$ 56,521	\$ 30,400	<b>\$86,774</b>
							<i>Rebuttal Adjustment</i>	\$ 147	
							<i>Rebuttal Amount</i>	<b>\$86,921</b>	
50175	Annual Leave Buyback	3 yr avg	Total	\$4,250	\$ 1,500	\$1,500	\$ 4,210	\$ 40	<b>\$4,250</b>
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					
		<b>Total</b>		<b>\$6,200</b>	\$ 1,700	\$1,700	\$ 995	\$ 5,205	<b>\$6,200</b>
		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					
		<b>Total</b>		<b>\$83,700</b>	\$ 47,024	\$68,223	\$ 58,270	\$ 25,430	<b>\$ 83,700</b>

# Docket 4933

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

Account	Description	Comments	Detail	Calculation Amount	Actual FY 2018		Change from Test year to Proposed	Proposed FY 2020 Rate Year
					Docket 4595	Budget 2018		
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
								\$ (15,000)
								\$40,000
	<b>Total</b>			<b>\$379,887</b>	<b>\$ 262,224</b>	<b>\$275,677</b>	<b>\$ 246,665</b>	<b>\$ 118,369</b>

# Docket 4933

Rhode Island Public Utilities Commission  
 Docket 4933  
 FY 2020 Rate Filing  
 HJS Schedule D-14 Joint Settlement  
 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  
 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					
		<b>Total</b>		\$ 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					
		<b>total</b>		\$ 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, Goulart 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					
		<b>Total</b>		\$ 9,000	\$ 8,260	\$ 8,260	\$ 246	\$ 8,754	\$ 9,000
50271	Gas/Vehicle Maintenance								
			cost per vehicle	\$ 6,410					
			# of vehicles	13					
		<b>total</b>		\$ 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					
		<b>total</b>		\$ 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  
 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
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					
		<b>Total</b>		\$ 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					
		<b>Total</b>		\$ 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					
		<b>Total</b>		\$ 8,000	\$ 8,000	\$ 8,000	\$ 10,014	(2,564)	\$ 8,000
								Settlement Adjustment	\$ (550)
								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					
		<b>Total</b>		\$4,000	\$4,000	\$ 4,000	\$ 1,173	2,827	\$ 4,000
<b>total</b>				<b>\$1,167,396</b>	<b>\$ 1,209,218</b>	<b>\$ 1,245,923</b>	<b>\$ 1,036,044</b>	<b>127,910</b>	<b>\$ 1,163,954</b>

Docket 4933

Rhode Island Public Utilities Commission  
 Docket 4933  
 FY 2020 Rate Filing  
 HJS Schedule D-15 Joint Settlement  
 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		
<b>total</b>		<b>\$ 31,300</b>	<b>\$ 23,800</b>	<b>\$ 23,800</b>	<b>\$ 7,739</b>	<b>\$ 23,561</b>	<b>\$ 31,300</b>



Docket 4933

Rhode Island Public Utilities Commission  
 Docket 4933  
 FY 2020 Rate Filing  
 HJS Schedule D-17 Joint Settlement  
 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>	<b>Total to be Allocated</b>	<b>Percentage</b>
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%
<b>Total</b>	<b>\$147,664,253</b>				<b>\$94,789,157</b>	

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	\$ 271,725	13.66%	37,118
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
<b>Total Allocation</b>			<b>328,312</b>
<b>Legal &amp; Administrative</b>			<b>328,312</b>
		rounded	<b>\$ 328,312</b>

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
<b>Total Allocation</b>			<b>343,175</b>
<b>Data Processing (1)</b>			<b>343,175</b>
		rounded	<b>\$ 343,175</b>

Rhode Island Public Utilities Commission  
 Docket 4933  
 FY 2020 Rate Filing  
 HJS Schedule D-18 Joint Settlement  
 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 Salaries & Wages	\$ 2,534,885	\$ 2,534,885	\$ 118,599	\$ 2,653,484	\$ -	\$ 2,653,484	\$ (44,233)	\$ 2,609,251	\$ -	\$ 2,653,484	\$ 0	\$ 2,653,484
50002 Overtime	273,014	273,014	4,436	277,450	(20,000)	257,450	12,689	270,139	(7,311)	270,139	-	270,139
50003 Holiday Pay	40,458	40,458	939	41,397	-	41,397	-	41,397	(0)	41,397	-	41,397
50004 Temp Salaries	63,632	63,632	8,968	72,600	-	72,600	(26,462)	46,138	(26,462)	46,138	-	46,138
50005 Permanent Part time	6,040	6,040	6,860	12,900	-	12,900	-	12,900	-	12,900	-	12,900
50044 Standby Salaries	18,857	18,857	(137)	18,720	-	18,720	-	18,720	-	18,720	-	18,720
50045 Lead Plant Operator Stipend	15,416	15,416	9,544	24,960	-	24,960	-	24,960	-	24,960	-	24,960
50056 Injury Pay	-	-	-	-	-	-	-	-	-	-	-	-
50100 Employee Benefits	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 Retiree Insurance Coverage	372,907	372,907	13,877	386,784	-	386,784	(2,772)	384,012	(2,772)	384,012	(1)	384,011
50105 Workers Compensation	78,304	78,304	(20,919)	57,385	-	57,385	58,041	115,426	58,041	115,426	-	115,426
50120 Bank Fees (lock box)	13,298	13,298	1,102	14,400	-	14,400	-	14,400	-	14,400	-	14,400
50175 Annual Leave Buyback	32,577	32,577	7,123	39,700	-	39,700	-	39,700	-	39,700	-	39,700
50205 Copying & binding	532	532	68	600	-	600	-	600	-	600	-	600
50207 Advertisement	2,481	2,481	6,519	9,000	(4,498)	4,502	(520)	3,982	(5,000)	4,000	-	4,000
50210 Membership Dues & Subscriptions	4,532	4,532	523	5,055	-	5,055	-	5,055	-	5,055	-	5,055
50212 Conferences & Training	7,135	21,620	(2,000)	19,620	(10,621)	8,999	10,341	19,340	-	19,620	(7,621)	11,999
50214 Tuition Reimbursement	-	-	2,000	2,000	-	2,000	-	2,000	-	2,000	-	2,000
50220 Consultant Fees	14,275	14,275	237,350	251,625	(187,350)	64,275	29,117	93,392	-	251,625	(158,233)	93,392
50225 Support Services/Contract Services	29,568	29,568	33,917	63,485	(5,700)	57,785	-	57,785	(5,700)	57,785	-	57,785
50238 Postage	63,248	63,248	1,952	65,200	-	65,200	-	65,200	-	65,200	-	65,200
50239 Fire & Liability Insurance	178,189	178,189	(5,689)	172,500	-	172,500	-	172,500	-	172,500	-	172,500
50251 Telephone & Communication	10,808	10,808	(208)	10,600	-	10,600	-	10,600	-	10,600	-	10,600
50260 Rental of Equipment	2,422	2,422	8,578	11,000	-	11,000	(4,283)	6,717	-	11,000	-	11,000
50266 Legal & Administrative	333,848	333,848	(5,536)	328,312	(22,481)	305,831	22,481	328,312	-	328,312	-	328,312
50267 Data Processing	231,161	231,161	112,014	343,175	(55,125)	288,050	55,125	343,175	-	343,175	-	343,175
50268 Mileage Allowance	392	392	1,608	2,000	-	2,000	-	2,000	-	2,000	-	2,000
50271 Gasoline & Vehicle Allowance	205,360	205,360	(240)	205,120	-	205,120	(18,680)	186,440	(3,453)	201,667	-	201,667
50275 Repairs & Maintenance	157,943	174,004	70,696	244,700	-	244,700	(58,239)	186,461	-	244,700	-	244,700
50276 Main Maintenance	84,145	84,145	(18,145)	66,000	-	66,000	-	66,000	-	66,000	-	66,000
50277 Reservoir Maintenance	25,623	25,623	11,377	37,000	-	37,000	(4,580)	32,420	-	37,000	-	37,000
50280 Regulatory Expense	906	906	594	1,500	-	1,500	(1,500)	-	(1,000)	500	-	500
50281 Regulatory Assessment	170,726	170,726	46,474	217,200	(46,474)	170,726	28,965	199,691	(17,342)	199,858	-	199,858
50296 Service Maintenance	27,194	27,194	2,806	30,000	-	30,000	-	30,000	-	30,000	-	30,000
50299 Meter Maintenance	7,696	7,696	2,304	10,000	-	10,000	-	10,000	-	10,000	-	10,000
50305 Water/Sewer Charge	538,636	538,636	58,689	597,325	-	597,325	(16,132)	581,193	(35,916)	561,409	-	561,409
50306 Electricity	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 Natural Gas	63,856	63,856	(14,696)	49,160	-	49,160	-	49,160	-	61,302	-	61,302
50308 Property Taxes	535,316	535,316	22,146	557,462	0	557,462	(10,231)	547,231	(10,231)	547,231	-	547,231
50311 Operating Supplies	30,233	53,986	(5,486)	48,500	(20,750)	27,750	13,687	41,437	-	48,500	(3,333)	45,167
50320 Uniforms & protective Gear	3,081	3,081	12,594	15,675	(12,049)	3,626	1,599	5,225	-	15,675	-	15,675
50335 Chemicals	636,075	636,075	358,881	994,956	(75,000)	919,956	(236,747)	683,209	-	994,956	-	994,956
50339 Laboratory Supplies	21,104	21,104	33,896	55,000	(29,881)	25,119	-	25,119	-	55,000	(15,000)	40,000
50361 Office Supplies	10,136	12,000	(155)	11,845	-	11,845	-	11,845	-	11,845	-	11,845
50380 Customer Service Supplies	1,951	1,951	1,049	3,000	-	3,000	-	3,000	-	3,000	-	3,000
50505 Self Insurance	2,584	2,584	2,416	5,000	-	5,000	(5,000)	-	(2,500)	2,500	(2,000)	500
	<b>\$8,948,304</b>	<b>\$9,004,467</b>	<b>\$1,392,306</b>	<b>\$10,396,774</b>	<b>(814,845)</b>	<b>\$9,581,929</b>	<b>137,916</b>	<b>\$9,661,839</b>	<b>\$ (76,394)</b>	<b>\$10,320,380</b>	<b>(\$206,188)</b>	<b>\$10,114,192</b>

**CERTIFICATION**

I hereby certify that on September 18, 2019, I sent a copy of the within to all parties set forth on the attached Service List by electronic mail and copies to Luly Massaro, Commission Clerk, by electronic mail and regular mail.

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