

May 2, 2019

Via E-mail and Hand Delivery

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

In re: Woonsocket Water Division – Docket No. 4879 – Rate Filing

Dear Luly:

On behalf of the Woonsocket Water Division and the Division of Public Utilities and Carriers, enclosed please find an original and nine (9) copies of a proposed Settlement Agreement.

Very truly yours,



ALAN M. SHOER
ashoer@apslaw.com

Enclosure

cc: Service List

**STATE OF RHODE ISLAND AND PROVIDENCE PLANTATIONS
PUBLIC UTILITIES COMMISSION**

IN RE:	CITY OF WOONSOCKET, WATER DIVISION APPLICATION TO IMPLEMENT MULTI-YEAR RATE PLAN))))	DOCKET NO. 4879
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SETTLEMENT AGREEMENT

I. INTRODUCTION

The City of Woonsocket, Water Division (“the WWD”) and the Division of Public Utilities and Carriers (“the Division”) (collectively “the Parties”) have reached an agreement regarding the WWD’s September 11, 2018 Application to Implement a Multi-Year Rate Plan. The WWD and the Division jointly request the approval of this Settlement Agreement by the State of Rhode Island Public Utilities Commission (“Commission”).

II. RECITALS

1. On September 11, 2018, the WWD filed an Application to Implement Multi-Year Rate Plan (“Application”), pursuant to R.I. Gen. Laws § 39-3-11 and Part II of the Commission’s Rules of Practice and Procedure.

2. In its Application, the WWD sought to implement a multi-year rate plan, through a five-step increase.

3. In the first step of the increase, the WWD proposed to collect an additional operating revenue in the amount of \$799,205 to support total operating revenue requirements of \$8,916,284.

4. The impact of this request for a typical residential customer in Woonsocket who uses 8,000 cubic feet of water per year (165 gallons per day) would have resulted in an increase of \$45 per year, or 9.73%. The impact of this request for a typical residential customer in other

communities served by the WWD who uses 8,000 cubic feet of water per year (165 gallons per day) will result in an increase of \$52 per year, or 13.34%. The impact of the proposed rate increase on other retail customer classes is between 9.73% and 13.34%, wholesale customers 12.85% and Private Fire Service is a decrease of 1.43% to 14.84%. Municipal Fire Service is a decrease of 17.21% per hydrant.

5. In the second step of the increase, the WWD's proposed rates are designed to collect additional operating revenue in the amount of \$445,221 to support total operating revenue requirements of \$9,361,505.

6. The impact of this second step request would have resulted in an across-the board rate increase of approximately 4.99% on all rate classes. For a typical residential customer who uses 8,000 cubic feet of water per year (165 gallons per day), the impact of this request will result in an increase of \$25 per year.

7. In the third step of the increase, the WWD's proposed rates are designed to collect additional operating revenue in the amount of \$633,928 to support total operating revenue requirements of \$9,995,433.

8. The impact of this third step request would have resulted in an across-the board rate increase of approximately 6.77% on all rate classes. For a typical residential customer who uses 8,000 cubic feet of water per year (165 gallons per day), the impact of this request will result in an increase of \$36 per year.

9. In the fourth step of the increase, the WWD's proposed rates are designed to collect additional operating revenue in the amount of \$1,363,132 to support total operating revenue requirements of \$11,358,565.

10. The impact of this fourth step request would have resulted in an across-the board rate increase of approximately 13.64% on all rate classes. For a typical residential customer who uses 8,000 cubic feet of water per year (165 gallons per day), the impact of this request will result in an increase of \$77 per year.

11. In the fifth step of the increase, the WWD's proposed rates are designed to collect additional operating revenue in the amount of \$1,341,568 to support total operating revenue requirements of \$12,700,133.

12. The impact of this fifth step request would have resulted in an across-the board rate increase of approximately 11.81% on all rate classes. For a typical residential customer who uses 8,000 cubic feet of water per year (165 gallons per day), the impact of this request will result in an increase of \$76 per year.

13. In support of its Application, the WWD filed the direct testimony and schedules of David Bebyn, C.P.A. of B & E Consulting, LLC; Maureen E. Gurghigian of Hilltop Securities Inc.; Robert M. Otoski, P.E. of CDM Smith; and Jonathan Pratt, Chief Engineer of the WWD.

14. In response to the WWD's filing, the Division conducted an investigation and review of the Application with assistance of its staff and two outside expert consultants. The Division also issued data requests to assist in its investigation and review.

15. On January 25, 2019, the Division submitted direct testimony from its consultants Lafayette K. Morgan, Jr. and Jerome D. Mierzwa of Exeter Associates, Inc.

16. The Division, through the testimony of Mr. Morgan, sought to limit the multi-year plan to a three-year plan, instead of a five-year plan. However, Mr. Morgan indicated that the five-year plan could be used if the WWD limited the additional expenditures for the fourth and fifth year to increases to the DBO contract and debt service. Mr. Morgan suggested reducing the

amount the WWD requested by \$812,213 over the next five years. For the rate year, Mr. Morgan suggested a change in revenue that would be \$283,570 less than the amount the WWD requested.

17. Mr. Morgan also adjusted the WWD's original request in the following categories: (a) other operating revenues; (b) pension expense; (c) property taxes; (d) health and dental insurance; (e) city service charges; (f) rate case expense; (g) DBO contract; (h) inflation escalation; and (i) step increases.

18. Mr. Mierzwa did not propose any changes to the WWD's cost of service study, but provided recommendations regarding the WWD's future cost of service studies. Mr. Mierzwa did not propose any changes regarding the WWD's general rate structure.

19. On February 28, 2019, the WWD filed rebuttal testimony and schedules from David G. Bebyn, C.P.A. In the rebuttal testimony, the WWD accepted many of the Division's requested revisions, but still disagreed on the following topics: (a) decreasing the service charge expense; (b) decreasing the rate case expense; and (c) decreasing the DBO contract expense for renewal and replacement.

20. Following the WWD's filing of its rebuttal testimony, the WWD and the Division engaged in settlement discussions and negotiations.

21. During these discussions and negotiations, the WWD and the Division narrowed their areas of disagreement on the WWD's revenue request to four specific expense items:

- a. Rate Case Expense – The Parties agreed to a five-year normalization of an amount of \$150,000 for rate case expense as a placeholder for the actual amount to be reflected in the initial increase. The Parties have agreed to update rate case expense to reflect actual expenses as near as possible. For the

step increases, the Parties have agreed to a placeholder amount of \$16,000, which would be subject to adjustment during the step increase compliance filing.

- b. City Services – The Parties have agreed to limit the adjustment to City Services to \$49,291 per the response to the Division’s Data Request, No. 2-29.
- c. The third area of disagreement deals with the renewal and replacement costs in the DBO service fee. At issue was when the WWD would be obligated to make payments to fund renewals and replacements. For purposes of determining the step increases, the Parties have agreed to use the \$105,733 presented by the WWD as the initial payment to fund the renewals and replacement, recognizing that the actual amount, if different, will be known before the step increase would become effective.

22. As a result of these settlement discussions and after due consideration of the testimony, exhibits, schedules, data requests, data responses, and other documentation included in the filings of the Parties in this Docket, the WWD and the Division have agreed to a settlement which resolves all issues relating to the WWD’s Application.

23. The WWD and the Division, by and through their respective representatives, believe that this settlement, as a whole, constitutes a just and reasonable resolution of the issues in this proceeding, and jointly request its approval by the Commission.

III. TERMS OF SETTLEMENT

24. Incorporated herein and attached hereto as Exhibit 1 are Joint Settlement Schedules 1.0 thru 12.2, which memorialize the settlement. The Parties agree with these schedules as presented.

25. As set forth in these Schedules, in the first step of the increase, the WWD's rates are designed to allow for the collection of additional operating revenue in the amount of \$482,867, to support total cost of service of \$8,609,008. The impact of this first step request will result in a 5.94% increase in total revenues. The impact of the proposed rate increase on a typical residential customer who uses 8,000 cubic feet of water per year (165 gallons per day) will result in an increase of \$23 per year, or 5.05%. The impact of this first step request for a typical residential customer in other communities served by the WWD who uses 8,000 cubic feet of water per year (165 gallons per day) will result in an increase of \$35 per year, or 8.80%. The impact of the proposed rate increase on other retail customer classes is between 4.71% and 8.82%, wholesale customers 9.92%. The impact of the first step is a decrease of 9.28% to 20.33% on private fire service and a decrease of 23.30% per hydrant for municipal fire service.

26. In the second step of the increase, the WWD's proposed rates are designed to collect additional operating revenue in the amount of \$446,822, to support total operating revenue requirements of \$9,055,829. The impact of this second step request will result in an across-the board rate increase of approximately 5.39% on all rate classes. For a typical residential customer who uses 8,000 cubic feet of water per year (165 gallons per day), the impact of this second step request will result in an increase of \$26 per year.

27. In the third step of the increase, the WWD's proposed rates are designed to collect additional operating revenue in the amount of \$391,910 to support total operating revenue requirements of \$9,447,739. The impact of this third step request will result in an across-the board rate increase of approximately 4.49% on all rate classes. For a typical residential customer who uses 8,000 cubic feet of water per year (165 gallons per day), the impact of this third step request will result in an increase of \$23 per year.

28. In the fourth step of the increase, the WWD's proposed rates are designed to collect additional operating revenue in the amount of \$1,277,957 to support total operating revenue requirements of \$10,403,844. The impact of this fourth step request will result in an across-the board rate increase of approximately 14.00% on all rate classes. For a typical residential customer who uses 8,000 cubic feet of water per year (165 gallons per day), the impact of this fourth step request will result in an increase of \$75 per year.

29. In the fifth step of the increase, the WWD's proposed rates are designed to collect additional operating revenue in the amount of \$1,252,777 to support total operating revenue requirements of \$11,978,473. The impact of this fifth step request will result in an across-the board rate increase of approximately 12.04% on all rate classes. For a typical residential customer who uses 8,000 cubic feet of water per year (165 gallons per day), the impact of this fifth step request will result in an increase of \$73 per year.

30. The WWD will continue with all current reporting requirements.

31. The WWD will fund its Restricted Accounts at the following levels for the rate year:

Infrastructure Replacement:	\$1,335,00.00
Debt Service Reimbursement:	\$1,965,00.00
Renewal & Replacement Fund:	\$120,000.00

The amounts for the Infrastructure Replacement and Renewal & Replacement Accounts will remain fixed at the rate case year until the WWD's next rate case; Debt Service Account level will be \$2,135,000 in the second step of the increase, \$2,470,000 in the third step of the increase, \$3,695,000 in the fourth step of the increase, and \$4,895,000 in the fifth step of the increase. All of these Debt Service levels will be adjusted in accordance with the Commission's decision regarding the WWD's compliance filing for each step increase.

IV. EFFECT OF SETTLEMENT

32. This Settlement Agreement is the result of a negotiated settlement. The discussions which have produced this Settlement Agreement have been conducted 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 other proceedings.

33. This Settlement Agreement is the product of negotiation and compromise. The making of this agreement establishes no principal or precedent. This agreement shall not be deemed to foreclose any party from making any contention in any future proceeding or investigation.

34. 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 agreement have not been settled upon or conceded by any party to this Settlement Agreement, and nothing in this agreement shall preclude any party from taking any position in any future proceeding regarding such unsettled matters.

35. In the event that the Commission rejects this Settlement Agreement, or modifies this agreement or any provision therein, then this 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 agreement to be executed by their respective representatives, each being authorized to do so.

Dated this 2nd day of May, 2019.


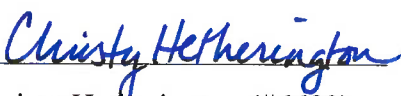
<p>CITY OF WOONSOCKET, WATER DIVISION</p> <p>By its Attorney,</p>  <hr/> <p>Alan M. Shoer (#3248) ADLER POLLOCK & SHEEHAN P.C. One Citizens Plaza, 8th Fl. Pawtucket, RI 02903 Tel: (401)-274-7200 ashoer@apslaw.com</p>	<p>DIVISION OF PUBLIC UTILITIES AND CARRIERS,</p> <p>By its Attorney,</p>  <hr/> <p>Christy Hetherington (#6693) Special Assistant Attorney General 150 South Main Street Providence, RI 02903 Tel: (401)-274-4400, ext. 2425 chetherington@riag.ri.gov</p>
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EXHIBIT 1

TEST YEAR & RATE YEAR EXPENSES
WOONSOCKET WATER DIVISION

ACCT. #	BUDGET ACCOUNT DESCRIPTION	ADJUSTED TEST YEAR	SUMMARY OF ADJUSTMENTS	RATE YEAR 12/31/19	Adjustment as percent of Test Year	Adujstment Supporting Schedule
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EXPENSES

Personnel Expense

51110	Permanent Services	\$ 1,388,854	\$ (446,259)	\$ 942,595	-32%	DGB-RY-3
51122	Temporary Labor	20,173	-	20,173		
51141	Overtime Pay	200,286	(125,179)	75,107	-63%	DGB-RY-3
51144	Out of Class	367	-	367		
51145	Longevity Pay	53,989	(17,246)	36,743	-32%	DGB-RY-3
51146	Medical Buy Back	15,756	(6,756)	9,000	-43%	DGB-RY-3
51147	Sick Leave Reimbursement	1,920	-	1,920		
51149	Shift Differential	9,262	(4,631)	4,631	-50%	DGB-RY-3
51153	Non-sick/Injury Bonus	1,080	-	1,080		
51155	Bonus for Course	17,439	(7,124)	10,315	-41%	DGB-RY-3
51160	Retirement	535	-	535		
<i>Total Personnel Expenses</i>		1,709,661	(607,195)	1,102,465		

Maintenance & Servicing Expenses

52211	Postage	16,135	-	16,135		
52212	Telephone	30,734	-	30,734		
52213	Dues & Subscriptions	2,726	-	2,726		
52214	Advertising	3,631	-	3,631		
52216	Travel Out of City	184	-	184		
52219	Educational Training	8,585	(4,292)	4,292	-50%	DGB-RY-3
52221	Printing & Reproducing	20,937	-	20,937		
52231	General Maint. & Upkeep	40,496	(40,496)	(0)	-100%	DGB-RY-3
52234	Vehicle & Outside Equip. Upkeep	34,489	-	34,489		
52236	Maintenance - Office Equipment	116	-	116		
52238	Maintenance - Roads & Walks	42,982	-	42,982		
52239	Computer Software	4,653	-	4,653		
52244	Land Rental Charges	2,862	-	2,862		
52249	Other Rentals	17,926	-	17,926		
52251	Heating	7,061	-	7,061		
52252	Light & Power	374,530	(39,261)	335,269	-10%	Joint Settlement Schedule-1.1
52255	Property & Fire Taxes	169,237	5,614	174,851	3%	LKM-3
52256	Sewer Assessment	83,899	(83,899)	0	-100%	DGB-RY-3
52258	State Pollution Monitoring Program	21,477	-	21,477		
52260	Regulatory Assessments	59,724	5,526	65,250	9%	DGB-RY-3
52261	Conservation Services	-	-	-		
52266	Police Details	1,263	-	1,263		
52281	Other Independent Service	51,656	-	51,656		
52282	Audit Service	3,750	-	3,750		
52283	Legal Service	6,148	-	6,148		
52289	Medical Examinations	-	-	-		
52290	Engineering Service	825	-	825		
<i>Total Maintenance & Servicing Expenses</i>		1,006,026	(156,808)	849,218		

Operating Supplies & Expenses

53311	Office Supplies	2,699	-	2,699		
53321	Gas & Diesel	22,611	-	22,611		
53322	Tires & Batteries	2,506	-	2,506		
53336	Chemicals - Water Supply	-	-	-		
	Plant Operating Contract existing		1,941,000	1,941,000	100%	DGB-RY-3
	Plant Operating Contract (Chem Crdt)		(145,717)	(145,717)	100%	DGB-RY-3
53344	Tools & Implements	2,484	-	2,484		
53346	Cleaning & Housekeeping Supplies	1,563	-	1,563		
53349	Other Supplies	39,261	(19,631)	19,631	-50%	DGB-RY-3
53351	Lab Supplies	30,129	(30,129)	(0)	-100%	DGB-RY-3
53363	Clothing & Footware	6,082	(3,041)	3,041	-50%	DGB-RY-3
53366	Drug & Medical Supplies	402	-	402		
53369	Clothing Allowance	4,091	(2,046)	2,046	-50%	DGB-RY-3
<i>Total Operating Supplies & Expenses</i>		111,828	1,740,437	1,852,265		

TEST YEAR & RATE YEAR EXPENSES
WOONSOCKET WATER DIVISION

ACCT. #	BUDGET ACCOUNT DESCRIPTION	ADJUSTED TEST YEAR	SUMMARY OF ADJUSTMENTS	RATE YEAR 12/31/19	Adjustment as percent of Test Year	Adujstment Supporting Schedule
<i>General Expenses</i>						
54413	Fiscal Certification	7,750	-	7,750		
54433	Pensions	178,142	(72,668)	105,474	-41%	LKM-3
54434	FICA Employer Cost	130,789	(46,450)	84,339	-36%	DGB-RY-3
54446	City Service Charges	372,060	(49,291)	322,769	-13%	Joint Settlement Schedule-1.1
54451	Insurance - Vehicles & Equipment	75,501	-	75,501		
54452	Insurance - Workmen's Comp	131,800	(50,084)	81,716	-38%	DGB-RY-3
54453	Insurance - Liability	122,819	(998)	121,821	-1%	DGB-RY-3
54456	Insurance - Group Life	13,787	549	14,336	4%	DGB-RY-3
54471	Health Insurance	533,637	(91,926)	441,711	-17%	LKM-3
54472	Dental Insurance	27,860	(8,497)	19,363	-30%	LKM-3
54493	Bad Debt Exp	-	-	-		
<i>Total General Expenses</i>		1,594,145	(319,365)	1,274,780		
<i>Restricted Account Expenses</i>						
53336	Chemicals - Water Supply	396,000	(396,000)	-	-100%	DGB-RY-3
54417	Operating Resrve	63,180	17,100	80,280	27%	DGB-RY-3
54463	Infrastructure Replacement	1,700,000	(365,000)	1,335,000	-21%	DGB-RY-3
54464	Rate Case Expense (Unrestricted)	65,864	(35,864)	30,000	-54%	LKM-3
54467	Debt Service Reimbursement	1,600,000	365,000	1,965,000	23%	DGB-RY-3
54473	Renewal & Replace Fund	120,000	-	120,000		DGB-RY-3
<i>Total Other Miscellaneous Expenses</i>		3,945,044	(414,764)	3,530,280		
TOTAL EXPENSES		\$ 8,366,703	\$ 242,305	\$ 8,609,008		
<i>Miscellaneous Revenue</i>						
41030	Service & Extentions	121,513	1,610	123,123	1%	LKM-3
41035	Repairs	-	-	-		
41040	Miscellaneous Income	34,625	4,031	38,656	12%	LKM-3
41070	Water Surcharge	21,170	-	21,170		
42310	Interest on Bills	106,652	3,421	110,073	3%	LKM-3
42320	Interest on Investments	28,830	-	28,830		
	Interest on Restricted Accounts	-	-	-		
		312,790	9,062	321,852		
Revenue Requirement		\$ 8,053,913	\$ 233,243	\$ 8,287,155		

EXPENSE SUMMARY - RATE YEAR
WOONSOCKET WATER DIVISION

ACCT. #	DESCRIPTION	WWD Adjusted Test Year	WWD Rate Year Adjustments	WWD Adjusted Rate Year	Division Adjustments	Division Adjusted Rate Year	Settlement Adjustments	Settlement Adjusted Rate Year
EXPENSES								
<i>Personnel Expense</i>								
51110	Permanent Services	\$ 1,388,854	\$ (446,259)	\$ 942,595	\$ -	\$ 942,595	\$ -	\$ 942,595
51122	Temporary Labor	20,173	-	20,173	-	20,173	-	20,173
51141	Overtime Pay	200,286	(125,179)	75,107	-	75,107	-	75,107
51144	Out of Class	367	-	367	-	367	-	367
51145	Longevity Pay	53,989	(17,246)	36,743	-	36,743	-	36,743
51146	Medical Buy Back	15,756	(6,756)	9,000	-	9,000	-	9,000
51147	Sick Leave Reimbursement	1,920	-	1,920	-	1,920	-	1,920
51149	Shift Differential	9,262	(4,631)	4,631	-	4,631	-	4,631
51153	Non-sick/Injury Bonus	1,080	-	1,080	-	1,080	-	1,080
51155	Bonus for Course	17,439	(7,124)	10,315	-	10,315	-	10,315
51160	Retirement	535	-	535	-	535	-	535
<i>Total Personnel Expenses</i>		1,709,661	(607,195)	1,102,465	-	1,102,465	-	1,102,465
<i>Maintenance & Servicing Expenses</i>								
52211	Postage	16,135	-	16,135	-	16,135	-	16,135
52212	Telephone	30,734	-	30,734	-	30,734	-	30,734
52213	Dues & Subscriptions	2,726	-	2,726	-	2,726	-	2,726
52214	Advertising	3,631	-	3,631	-	3,631	-	3,631
52216	Travel Out of City	184	-	184	-	184	-	184
52219	Educational Training	8,585	(4,292)	4,292	-	4,292	-	4,292
52221	Printing & Reproducing	20,937	-	20,937	-	20,937	-	20,937
52231	General Maint. & Upkeep	40,496	(40,496)	(0)	-	(0)	-	(0)
52234	Vehicle & Outside Equip. Upkeep	34,489	-	34,489	-	34,489	-	34,489
52236	Maintenance - Office Equipment	116	-	116	-	116	-	116
52238	Maintenance - Roads & Walks	42,982	-	42,982	-	42,982	-	42,982
52239	Computer Software	4,653	-	4,653	-	4,653	-	4,653
52244	Land Rental Charges	2,862	-	2,862	-	2,862	-	2,862
52249	Other Rentals	17,926	-	17,926	-	17,926	-	17,926
52251	Heating	7,061	-	7,061	-	7,061	-	7,061
52252	Light & Power	374,530	15,902	390,432	(8,519)	381,913	(46,644)	335,269 (A)
52255	Property & Fire Taxes	169,237	10,818	180,055	(5,204)	174,851	-	174,851
52256	Sewer Assessment	83,899	(83,899)	0	-	0	-	0
52258	State Pollution Monitoring Program	21,477	-	21,477	-	21,477	-	21,477
52260	Regulatory Assessments	59,724	5,526	65,250	-	65,250	-	65,250
52261	Conservation Services	-	-	-	-	-	-	-
52266	Police Details	1,263	-	1,263	-	1,263	-	1,263
52281	Other Independent Service	51,656	-	51,656	-	51,656	-	51,656
52282	Audit Service	3,750	-	3,750	-	3,750	-	3,750
52283	Legal Service	6,148	-	6,148	-	6,148	-	6,148
52289	Medical Examinations	-	-	-	-	-	-	-
52290	Engineering Service	825	-	825	-	825	-	825
<i>Total Maintenance & Servicing Expenses</i>		1,006,026	(96,442)	909,584	(13,723)	895,861	(46,644)	849,217
<i>Operating Supplies & Expenses</i>								
53311	Office Supplies	2,699	-	2,699	-	2,699	-	2,699
53321	Gas & Diesel	22,611	-	22,611	-	22,611	-	22,611
53322	Tires & Batteries	2,506	-	2,506	-	2,506	-	2,506
53336	Chemicals - Water Supply	-	-	-	-	-	-	-
	Plant Operating Contract existing	-	1,941,000	1,941,000	-	1,941,000	-	1,941,000
	Plant Operating Contract (Chem Crdt)	-	(145,717)	(145,717)	-	(145,717)	-	(145,717)
53344	Tools & Implements	2,484	-	2,484	-	2,484	-	2,484
53346	Cleaning & Housekeeping Supplies	1,563	-	1,563	-	1,563	-	1,563
53349	Other Supplies	39,261	(19,631)	19,631	-	19,631	-	19,631
53351	Lab Supplies	30,129	(30,129)	(0)	-	(0)	-	(0)
53363	Clothing & Footware	6,082	(3,041)	3,041	-	3,041	-	3,041
53366	Drug & Medical Supplies	402	-	402	-	402	-	402
53369	Clothing Allowance	4,091	(2,046)	2,046	-	2,046	-	2,046
<i>Total Operating Supplies & Expenses</i>		111,828	1,740,437	1,852,265	-	1,852,265	-	1,852,265
<i>General Expenses</i>								
54413	Fiscal Certification	7,750	-	7,750	-	7,750	-	7,750
54433	Pensions	178,142	(58,663)	119,479	(14,005)	105,474	-	105,474
54434	FICA Employer Cost	130,789	(46,450)	84,339	-	84,339	-	84,339
54446	City Service Charges	372,060	1	372,060	(63,167)	308,893	13,876	322,769 (B)
54451	Insurance - Vehicles & Equipment	75,501	-	75,501	-	75,501	-	75,501
54452	Insurance - Workmen's Comp	131,800	(50,084)	81,716	-	81,716	-	81,716
54453	Insurance - Liability	122,819	(998)	121,821	-	121,821	-	121,821
54456	Insurance - Group Life	13,787	549	14,336	-	14,336	-	14,336
54471	Health Insurance	533,637	49,081	582,718	(141,007)	441,711	-	441,711
54472	Dental Insurance	27,860	1,610	29,470	(10,107)	19,363	-	19,363
54493	Bad Debt Exp	-	-	-	-	-	-	-
<i>Total General Expenses</i>		1,594,145	(104,955)	1,489,190	(228,286)	1,260,904	13,876	1,274,780

EXPENSE SUMMARY - RATE YEAR
WOONSOCKET WATER DIVISION

ACCT. #	DESCRIPTION	Test Year	Adjustments	Rate Year	Adjustments	Rate Year	Adjustments	Rate Year
<i>Restricted Account Expenses</i>								
53336	Chemicals - Water Supply	396,000	(396,000)	-	-	-	-	-
54417	Operating Resrve	63,180	17,100	80,280	-	80,280	-	80,280
54463	Infrastructure Replacement	1,700,000	(365,000)	1,335,000	-	1,335,000	-	1,335,000
54464	Rate Case Expense (Unrestricted)	65,864	(3,364)	62,500	(32,500)	30,000	-	30,000
54467	Debt Service Reimbursement	1,600,000	365,000	1,965,000	-	1,965,000	-	1,965,000
54473	Renewal & Replace Fund	120,000	-	120,000	-	120,000	-	120,000
<i>Total Other Miscellaneous Expenses</i>		<u>3,945,044</u>	<u>(382,264)</u>	<u>3,562,780</u>	<u>(32,500)</u>	<u>3,530,280</u>	<u>-</u>	<u>3,530,280</u>
TOTAL EXPENSES		<u>\$ 8,366,703</u>	<u>\$ 549,581</u>	<u>\$ 8,916,284</u>	<u>\$ (274,509)</u>	<u>\$ 8,641,775</u>	<u>\$ (32,768)</u>	<u>\$ 8,609,007</u>

(A) Test Year Adjustment	15,902	Calculation presented on Schedule DGB-RY-6
Division Adjustment	(8,519)	Calculation presented on Schedule LKM-3-2
Settlement Adjustment	(46,644)	Calculation presented on page 3 of Bebyn Rebuttal Testimony
Test Year to Settlement Adjustment	<u>(39,261)</u>	
(B) Test Year Adjustment	1	Calculation presented on Schedule DGB-RY-3
Division Adjustment	(63,167)	Calculation presented on Schedule LKM-3-5
Settlement Adjustment	13,876	
Test Year to Settlement Adjustment	<u>(49,291)</u>	Calculation presented on page 4 of Bebyn Rebuttal Testimony

STATEMENT OF REVENUE - RATE YEAR
WOONSOCKET WATER DIVISION

Joint Settlement Schedule-1.2

ACCT. #	DESCRIPTION	WWD Adjusted Test Year	WWD Rate Year Adjustments	WWD Adjusted Rate Year	Division Adjustments	Division Adjusted Rate Year	Settlement Adjustments	Settlement Adjusted Rate Year
<i>REVENUE</i>								
<i>Revenue from Rates and Charges</i>								
41010	Water Sales	\$ 5,915,529	\$ -	\$ 5,915,529	-	\$ 5,915,529	-	\$ 5,915,529
	Wholesale Sales	419,565	-	419,565	-	419,565	-	419,565
	Customer Service Revenue	668,064	-	668,064	-	668,064	-	668,064
	Customer Service Woon. Fire Prot.	662,026	-	662,026	-	662,026	-	662,026
	Public Fire Service Revenue	26,746	-	26,746	-	26,746	-	26,746
	Private Fire Service Revenue	112,358	-	112,358	-	112,358	-	112,358
		<u>7,804,289</u>	<u>-</u>	<u>7,804,289</u>	<u>-</u>	<u>7,804,289</u>	<u>-</u>	<u>7,804,289</u>
<i>Miscellaneous Revenue</i>								
41030	Service & Extentions	121,513	-	121,513	1,610	123,123	-	123,123 A
41035	Repairs	-	-	-	-	-	-	-
41040	Miscellaneous Income	34,625	-	34,625	4,031	38,656	-	38,656 B
41070	Water Surcharge	21,170	-	21,170	-	21,170	-	21,170
42310	Interest on Bills	106,652	-	106,652	3,421	110,073	-	110,073 C
42320	Interest on Investments	28,830	-	28,830	-	28,830	-	28,830
	Interest on Restricted Accounts	-	-	-	-	-	-	-
		<u>312,790</u>	<u>-</u>	<u>312,790</u>	<u>9,062</u>	<u>321,852</u>	<u>-</u>	<u>321,852</u>
TOTAL REVENUE		<u>\$ 8,117,079</u>	<u>\$ -</u>	<u>\$ 8,117,079</u>	<u>\$ 9,062</u>	<u>\$ 8,126,141</u>	<u>\$ -</u>	<u>\$ 8,126,141</u>

- A Schedule LKM-2-1
- B Schedule LKM-2-2
- C Schedule LKM-2-3

Allocation of Net Revenue Requirement to Functional Categories

Woonsocket Water Division

	Allocator	Rate Year	Supply/ Treatment	Trans & Distribution	Pumping/ Storage	Meter/ Service	Billing Collection	Direct Fire	General/ Administration
<i>Personnel Expense</i>									
51110 Permanent Services	L	\$ 942,595	\$ 17,420	\$ 257,101	\$ -	\$ 176,857	\$ 130,743	116,845	243,631
UPGRADE	L	-	-	-	-	-	-	-	-
51122 Temporary Labor	K	20,173	-	10,087	-	5,043	-	5,043	-
51141 Overtime Pay	L	75,107	1,388	20,486	-	14,092	10,418	9,310	19,413
51144 Out of Class	L	367	7	100	-	69	51	46	95
51145 Longevity Pay	L	36,743	679	10,022	-	6,894	5,096	4,555	9,497
51146 Medical Buy Back	L	9,000	166	2,455	-	1,689	1,248	1,116	2,326
51147 Sick Leave Reimbursement	L	1,920	35	524	-	360	266	238	496
51148 Comp Time Reimbursement	L	4,631	86	1,263	-	869	642	574	1,197
51149 Shift Differential	L	1,080	20	294	-	203	150	134	279
51153 Non-sick/Injury Bonus	L	10,315	191	2,814	-	1,935	1,431	1,279	2,666
51155 Bonus for Course	L	535	10	146	-	100	74	66	138
<i>Total Personnel Expenses</i>		1,102,465	20,001	305,291	-	208,111	150,119	139,205	279,738
<i>Maintenance & Servicing Expenses</i>									
52211 Postage	B	16,135	-	-	-	-	16,135	-	-
52212 Telephone	G	30,734	-	-	-	-	-	-	30,734
52213 Dues & Subscriptions	G	2,726	-	-	-	-	-	-	2,726
52214 Advertising	G	3,631	-	-	-	-	-	-	3,631
52216 Travel Out of City	G	184	-	-	-	-	-	-	184
52219 Educational Training	G	4,292	-	-	-	-	-	-	4,292
52221 Printing & Reproducting	G	20,937	-	-	-	-	-	-	20,937
52231 General Maint. & Upkeep	E	-	-	-	-	-	-	-	-
52234 Vehicle & Outside Equip. Upke	G	34,489	-	-	-	-	-	-	34,489
52236 Maintenance - Office Equipment	G	116	-	-	-	-	-	-	116
52238 Maintenance - Roads & Walks	K	42,982	-	21,491	-	10,746	-	10,746	-
52239 Computer Software	G	4,653	-	-	-	-	-	-	4,653
52244 Land Rental Charges	S	2,862	2,862	-	-	-	-	-	-
52249 Other Rentals	S	17,926	17,926	-	-	-	-	-	-
52251 Heating	HE	7,061	3,531	-	-	-	-	-	3,531
52252 Light & Power	F	335,269	327,893	-	7,376	-	-	-	-
52255 Property & Fire Taxes	S	174,851	174,851	-	-	-	-	-	-
52256 Sewer Assessment	S	0	0	-	-	-	-	-	-
52258 State Pollution Monitoring Prog	S	21,477	21,477	-	-	-	-	-	-
52260 Regulatory Assessments	G	65,250	-	-	-	-	-	-	65,250
52261 Conservation Services	S	-	-	-	-	-	-	-	-
52266 Police Details	D	1,263	-	1,263	-	-	-	-	-
52281 Other Independent Service	G	51,656	-	-	-	-	-	-	51,656
52282 Audit Service	G	3,750	-	-	-	-	-	-	3,750
52283 Legal Service	G	6,148	-	-	-	-	-	-	6,148
52289 Medical Examinations	L	-	-	-	-	-	-	-	-
52290 Engineering Service	R	823	558	212	41	9	-	2	-

Allocation of Net Revenue Requirement to Functional Categories

Woonsocket Water Division

Allocator	Rate Year	Supply/ Treatment	Trans & Distribution	Pumping/ Storage	Meter/ Service	Billing Collection	Direct Fire	General/ Administration
<i>Total Maintenance & Servicing Expenses</i>	849,217	549,099	22,966	7,417	10,755	16,135	10,748	232,097
<i>Operating Supplies & Expenses</i>								
53311 Office Supplies	2,699	-	-	-	-	-	-	2,699
53321 Gas & Diesel	22,611	-	-	-	-	-	-	22,611
53322 Tires & Batteries	2,506	-	-	-	-	-	-	2,506
53336 Chemicals - Water Supply	-	-	-	-	-	-	-	-
Plant Operating Contract existin	1,941,000	1,941,000	-	-	-	-	-	-
Plant Operating Contract (Cher	(145,717)	(145,717)	-	-	-	-	-	-
53344 Tools & Implements	2,484	-	-	-	-	-	-	2,484
53346 Cleaning & Housekeeping Supp	1,563	-	-	-	-	-	-	1,563
53349 Other Supplies	19,631	-	-	-	-	-	-	19,631
53351 Lab Supplies	(0)	(0)	-	-	-	-	-	-
53363 Clothing & Footware	3,041	56	829	-	571	422	377	786
53366 Drug & Medical Supplies	402	7	110	-	75	56	50	104
53369 Clothing Allowance	2,046	38	558	-	384	284	254	529
<i>Total Operating Supplies & Expenses</i>	1,852,265	1,795,384	1,497	-	1,030	761	680	52,912
<i>General Expenses</i>								
54413 Fiscal Certification	7,750	5,258	1,997	389	85	-	20	-
54415 Depreciation	-	-	-	-	-	-	-	-
54433 Pensions	105,474	1,949	28,769	-	19,790	14,630	13,075	27,262
54434 FICA Employer Cost	84,339	1,559	23,004	-	15,824	11,698	10,455	21,799
54446 City Service Charges	322,769	6,133	18,075	646	2,905	38,410	646	255,956
54451 Insurance - Vehicles & Equipm	75,501	-	-	-	-	-	-	75,501
54452 Insurance - Workmen's Comp	81,716	1,510	22,289	-	15,332	11,334	10,130	21,121
54453 Insurance - Liability	121,821	-	-	-	-	-	-	121,821
54456 Insurance - Group Life	14,336	265	3,910	-	2,690	1,988	1,777	3,705
54471 Health Insurance	441,711	8,163	120,480	-	82,877	61,268	54,755	114,168
54472 Dental Insurance	19,363	358	5,281	-	3,633	2,686	2,400	5,005
54999 Misc Exp Audit Adj	-	-	-	-	-	-	-	-
<i>Total General Expenses</i>	1,274,780	25,195	223,805	1,035	143,136	142,014	93,257	646,338
<i>Restricted Account Expenses</i>								
53336 Chemicals - Water Supply	-	-	-	-	-	-	-	-
54412 Interest on Notes	-	-	-	-	-	-	-	-
54421 Transfer Out	-	-	-	-	-	-	-	-
54463 Infrastructure Replacement	1,335,000	905,775	343,918	67,093	14,683	-	3,531	-
54464 Rate Case Expense	30,000	-	-	-	-	-	-	30,000
54467 Debt Service (Non-IFR)	1,965,000	1,333,219	506,217	98,755	21,613	-	5,197	-
54467 Debt Service (IFR)	-	-	-	-	-	-	-	-
54473 Renewal & Replace Fund	120,000	81,418	30,914	6,031	1,320	-	317	-
<i>Total Other Miscellaneous Expenses</i>	3,450,000	2,320,412	881,049	171,878	37,616	-	9,045	30,000

Allocation of Net Revenue Requirement to Functional Categories

Woonsocket Water Division

Allocator	Rate Year	Supply/ Treatment	Trans & Distribution	Pumping/ Storage	Meter/ Service	Billing Collection	Direct Fire	General/ Administration
<i>TOTAL EXPENSES</i>	8,528,727	4,710,091	1,434,608	180,331	400,648	309,030	252,935	1,241,085
54417 Operating Rsrve	80,280	44,336	13,504	1,697	3,771	2,909	2,381	11,682
<i>Less:</i>								
Service & Extensions	(123,123)	-	(61,561)	-	(61,561)	-	-	-
Misc Income	(38,656)	(21,348)	(6,502)	(817)	(1,816)	(1,401)	(1,146)	(5,625)
Interest on Bills	(110,073)	(60,789)	(18,515)	(2,327)	(5,171)	(3,988)	(3,264)	(16,018)
Interest on Investments	(28,830)	(19,561)	(7,427)	(1,449)	(317)	-	(76)	-
Water Surcharge	(21,170)	(11,691)	(3,561)	(448)	(994)	(767)	(628)	(3,081)
Repairs	-	-	-	-	-	-	-	-
<i>TOTAL NET REVENUE REQUIREMENT</i>	8,287,155	4,641,037	1,350,545	176,987	334,559	305,783	250,201	1,228,044
<i>PERCENTAGE</i>		56.0%	16.3%	2.1%	4.0%	3.7%	3.0%	14.8%

TOTAL EXPENSES - Obtained from schedule DGB-COS-1 page 2 of 3

Supply/ Treatment	\$ 4,710,091	55.23%
Transmission & Distribution	1,434,608	16.82%
Pumping/ Storage	180,331	2.11%
Meter/ Service	400,648	4.70%
Billing Collection	309,030	3.62%
Direct Fire	252,935	2.97%
General/ Administration	<u>1,241,085</u>	<u>14.55%</u>
Total	<u>\$ 8,528,727</u>	<u>100.00%</u>

Allocation of Labor Costs to Functional Categories

Woonsocket Water Division

Allocator	Rate Year	Supply/ Treatment	Trans & Distribution	Pumping/ Storage	Meter/ Service	Billing Collection	Direct Fire	General/ Administration
	\$	\$	\$	\$	\$	\$	\$	\$
PUBLIC WORKS DIRECTOR	23,542	-	-	-	-	-	-	23,542
PUB WORKS ADMIN CLERK	8,316	-	-	-	-	8,316	-	-
WATER DIV. & OUTSIDE CREW SUP	81,097	-	-	-	-	-	-	81,097
WATER SUPPLY INSPECTOR	34,839	17,420	17,420	-	-	-	-	-
CITY ENGINEER	28,625	-	-	-	-	-	-	28,625
WATER DIV ENGINEER	47,036	-	23,518	-	11,759	-	11,759	-
WATER DIV ENGINEER AIDE	45,009	-	22,505	-	22,505	-	-	-
WATER T/D SUP	60,501	-	30,251	-	15,125	-	15,125	-
SR WATER FOREPERSON	46,671	-	23,336	-	11,668	-	11,668	-
WATER FOREPERSON	39,671	-	19,836	-	9,918	-	9,918	-
WATER DIV EQUIP OPERATOR	39,335	-	19,668	-	9,834	-	9,834	-
HEAVY EQUIPMENT OPERATORS	71,945	-	35,973	-	17,986	-	17,986	-
UTILITY PERSON	129,194	-	64,597	-	32,299	-	32,299	-
METER FOREPERSON	33,026	-	-	-	24,770	-	8,257	-
METER READERS	83,977	-	-	-	20,994	62,983	-	-
MANAGERIAL ACCOUNTANT	51,644	-	-	-	-	-	-	51,644
PRINCIPAL CLERK TYPIST	30,727	-	-	-	-	-	-	30,727
SR WATER DIV ACCT CLERK	29,881	-	-	-	-	29,881	-	-
WATER ACCOUNTS CLERK	29,563	-	-	-	-	29,563	-	-
WATER WORKS CLERK	27,996	-	-	-	-	-	-	27,996
CHEMIST/BACTERIOLOGIST	-	-	-	-	-	-	-	-
PLANT MASTER MAINT MECHANIC	-	-	-	-	-	-	-	-
WATER TREAT PLANT OPERATOR	-	-	-	-	-	-	-	-
TOTAL SALARIES	942,595	17,420	257,101	-	176,857	130,743	116,845	243,631
		1.85%	27.28%	0.00%	18.76%	13.87%	12.40%	25.85%

Allocation of Assets to Functional Categories
Woonsocket Water Division

Allocator	Rate Year	Supply/ Treatment	Trans & Distribution	Pumping/ Storage	Meter/ Service	Billing Collection	Direct Fire	General/ Administration
Intangible Plant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Source of Supply	698,912	698,912	-	-	-	-	-	-
Pumping Plant	585,511	-	-	585,511	-	-	-	-
Water Treatment Plant	74,005,379	74,005,379	-	-	-	-	-	-
Transmission & Distribution Plant	-	-	-	-	-	-	-	-
Transmission/Supply Mains	1,646,493	1,646,493	-	-	-	-	-	-
Distribution Mains	28,541,843	-	28,541,843	-	-	-	-	-
Storage	4,965,777	-	-	4,965,777	-	-	-	-
Meters	1,234,699	-	-	-	1,234,699	-	-	-
Hydrants	292,793	-	-	-	-	-	292,793	-
Subtotal T&D	36,681,604	1,646,493	28,541,843	4,965,777	1,234,699	-	292,793	-
General Plant	902,432	612,285	232,481	45,353	9,926	-	2,387	-
TOTAL	112,873,839	76,963,069	28,774,324	5,596,641	1,244,625	-	295,180	-
		68.19%	25.49%	4.96%	1.10%	0.00%	0.26%	0.00%

	FY 2017 per Annual Report filed with RIPUC	June 2017 thru December 2017 Additions	Interim Year Additions	Rate Year Additions	Rate Year Balance
Intangible Plant	\$ -	\$ -	\$ -	\$ -	\$ -
Source of Supply	698,912	698,912	-	-	698,912
Pumping Plant	585,511	-	-	-	585,511
Water Treatment Plant	17,839,487	1,615,467	35,245,425	19,305,000	74,005,379
Transmission & Distribution Plant	1,646,493	-	-	-	1,646,493
Transmission/Supply Mains	26,270,937	770,905	-	1,500,000	28,541,843
Distribution Mains	4,965,777	-	-	-	4,965,777
Storage	1,234,699	-	-	-	1,234,699
Meters	292,793	-	-	-	292,793
Hydrants	34,410,699	770,905	-	1,500,000	36,681,604
Subtotal T&D	902,432	770,905	-	1,500,000	902,432
General Plant	54,437,041	2,386,373	35,245,425	20,805,000	112,873,839
Total					

Allocation of Net Revenue Requirement to Functional Categories Joint Settlement Schedule-3.0
Woonsocket Water Division Page 1 of 1

	Allocator	Rate Year	Wholesale/ Base	Retail Only	Fire Protection	Meter/ Service	Billing
Supply/ Treatment	WB	\$ 4,641,037	\$ 4,594,627	\$ -	\$ 46,410	\$ -	\$ -
Transmission & Distribution	TD	1,350,545	631,288	460,572	258,686	-	-
Pumping/ Storage	PS	176,987	176,759	147	81	-	-
Meter/ Service	MS	334,559	-	-	-	334,559	-
Billing Collection	BC	305,783	-	-	-	-	305,783
Direct Fire	FP	250,201	-	-	250,201	-	-
<i>Sub-total</i>		7,059,112	5,402,674	460,719	555,377	334,559	305,783
General/ Administration	GA	1,228,044	939,880	80,149	96,617	58,202	53,196
<i>Total</i>		8,287,156	6,342,554	540,868	651,994	392,761	358,979

Woonsocket Water Division

Explanation	Allocator	Wholesale/ Base	Retail Only	Fire Protection	Meter/ Service	Billing	Total
99% To Wholesale/Base element and 1% to Fire Protection	WB	99.00%	0.00%	1.00%	0.00%	0.00%	100.00%
Allocation based on service mains- - See Joint Settlement Schedule-3.2	TD	46.74%	34.10%	19.15%	0.00%	0.00%	100.00%
Allocation based on Pumping Stations- - See Joint Settlement Schedule-3.3	PS	99.87%	0.08%	0.05%	0.00%	0.00%	100.00%
100% Metering and Customer service Pipes	MS	0.00%	0.00%	0.00%	100.00%	0.00%	100.00%
100% Billing and collection	BC	0.00%	0.00%	0.00%	0.00%	100.00%	100.00%
100% Direct Fire	FP	0.00%	0.00%	100.00%	0.00%	0.00%	100.00%
Applied to Operating Revenue in proportion to all other expenses --- See Joint Settlement Schedule-3.4	GA	76.53%	6.53%	7.87%	4.74%	4.33%	100.00%

Woonsocket Water Division

Inch-Feet of Pipe	In-Ft	%	Allocator	Wholesale/ Base	Retail Only	Fire Protection	Meter/ Service	Billing
Transmission	3,186,696	47.22%	WB	46.74%	0.00%	0.47%	0.00%	0.00%
Distribution	3,562,586	52.78%	*	0.00%	34.10%	18.68%	0.00%	0.00%
TOTAL	6,749,282.3	100.00%		46.74%	34.10%	19.15%	0.00%	0.00%
			TD	46.74%	34.10%	19.15%	0.00%	0.00%

* Diamond Hill and Highland provides service to Retail only.

	GPM	Percent
Max Day (Retail)	6389	64.61%
Fire Demand	3500	35.39%
Max Day Plus Fire	9889	100.00%

0.00% 64.61% 35.39% 0.00% 0.00%

** Non-Wholesale costs assigned all to retail in order to recover IFR costs

Inch-Feet of Pipe

Distribution Size (Inches)	Feet	In-Feet
1	1,086	1,086
1.25	239	299
1.5	568	852
2	3,926	7,852
2.5	533	1,333
3	93	279
4	11,320	45,280
6	132,667	796,002
8	323,803	2,590,424
10	11,918	119,180
		<u>3,562,586</u>

Transmission Size (Inches)	Feet	In-Feet
12	119,541	1,434,492
14	647	9,058
16	12,003	192,048
18	18,526	333,468
20	17,581	351,620
24	14,460	347,040
30	17,299	518,970
		<u>3,186,696</u>

Woonsocket Water Division

Pump Station	MG	%	Allocator	Wholesale/ Base	Retail Only	Fire Protection	Meter/ Service	Billing
Rhodes Ave	29.5	0.04%	*	0.04%	0.00%	0.00%	0.00%	0.00%
Mt. St. Charles	75,200.0	99.83%	*	99.83%	0.00%	0.00%	0.00%	0.00%
Diamond Hill	81.2	0.11%	**	0.00%	0.07%	0.04%	0.00%	0.00%
Highland Indust. Park	15.7	0.02%	**	0.00%	0.01%	0.01%	0.00%	0.00%
TOTAL	75,326.4	100.00%		99.87%	0.08%	0.05%	0.00%	0.00%
			PS	99.87%	0.08%	0.05%	0.00%	0.00%

* Rhodes Ave. and Mount St. Charles provides service to wholesale/base. 100.00% 0.00% 0.00% 0.00% 0.00%

** Diamond Hill and Highland provides service to Retail only. 0.00% 64.61% 35.39% 0.00% 0.00%

	GPM	Percent
Max Day (Retail)	6389	64.61%
Fire Demand	3500	35.39%
Max Day Plus Fire	9889	100.00%

TOTAL NON-GENERAL & ADMIN COSTS - Obtained from schedule DGB-COS-2

Wholesale/ Base	\$ 5,402,674	76.53%
Retail	460,719	6.53%
Fire Protection	555,377	7.87%
Meter/ Service	334,559	4.74%
Billing	<u>305,783</u>	4.33%
Total	<u>\$ 7,059,112</u>	<u>100.00%</u>

Units of Service
Woonsocket Water Division

Water Use Data

	<u>Million Gallons</u>	<u>100 Cu Ft</u>
Total Production (mg)	1,269.700	1,697,460
Wholesale Sales (mg)	92.325	123,429
Retal Sales		
Test Year	1,089.856	1,457,027
Adjustments	-	-
Rate Year	<u>1,089.856</u>	<u>1,457,027</u>

Number of Bills

	<u>Total</u>
Retal Sales	
Quarterly Bills	37,304
Semiannual Bills	-
Private Fire	700
Public Fire	9
Total Billing	<u>38,013</u>

Fire Service Data

Public Fire Hydrants

<u>Size</u>	<u>Total Accounts</u>
4	29
6	1,541
	<u>1,570</u>

Private Sprinklers

<u>Size</u>	<u>Total Accounts</u>	<u>Equivalency Ratio</u>	<u>* Equivalency</u>
2	14	4.58	64
3	7	6.30	44
4	64	9.58	613
6	102	16.88	1,722
8	32	29.56	946
10	5	42.40	212
	<u>224</u>		<u>3,601</u>

* Equivalentents based on meter equivalentents

Units of Service
Woonsocket Water Division

Meters By Size

Meter Size	Total Accounts	Equivalency Ratio	Meter Equivalency
5/8	8,480	1.00	8,480
3/4	245	1.42	348
1	384	1.76	675
1 1/2	61	3.26	199
2	130	4.58	595
3	6	6.30	38
4	9	9.58	86
6	6	16.90	101
8	5	29.56	148
10	-	42.40	-
	9,326		10,670

Meter Size	Woonsocket Accounts	Equivalency Ratio	Meter Equivalency
5/8	7,892	1.00	7,892
3/4	218	1.42	310
1	360	1.76	633
1 1/2	53	3.26	173
2	118	4.58	540
3	5	6.30	32
4	7	9.58	67
6	5	16.90	85
8	-	29.56	-
10	-	42.40	-
	8,658		9,730

Meter Size	Outside Woonsocket Accounts	Equivalency Ratio	Meter Equivalency
5/8	588	1.00	588
3/4	27	1.42	38
1	24	1.76	42
1 1/2	8	3.26	26
2	12	4.58	55
3	1	6.30	6
4	2	9.58	19
6	1	16.90	17
8	5	29.56	148
10	-	42.40	-
	668		940

Determination of Water Rates
Woonsocket Water Division

Joint Settlement Schedule-5.0

RY 2019

Wholesale Water Rate

Retail Sales	1,090
Wholesale Sales	92
Total Sales	<u>1,182</u>
Plus Unbilled & unacctd for	88
Total Production *	<u>1,270</u>
Wholesale Sales	92
Wholesale Percentage	7.27%

* reduced by 6.89% for estimated loss

Wholesale/ Base Costs	\$ 6,342,554
Wholesale Percentage	x 7.27%
Net Required Wholesale	<u><u>461,191</u></u>

Net Required Wholesale	\$ 461,191
Wholesale Sales	92
Rate per 1000 gallons	<u><u>\$ 5.00</u></u>

\$ 4,995.32 Rate per 1,000,000 gallons

Retail Water Rate

Wholesale/ Base Costs	\$ 6,342,554
Retail Costs	540,868
Subtotal	<u>6,883,422</u>

Less:	
Net Required Wholesale	<u>461,191</u>

Net Required Retail	<u><u>\$ 6,422,231</u></u>
---------------------	----------------------------

Net Required Retail	\$ 6,422,231
Retail Sales	1,090
Rate per 1000 gallons	<u><u>\$ 5.89</u></u>

1,457,027
\$ 4.41 Rate per 100 Cubic Feet

Determination of Fire Protection Charges Joint Settlement Schedule-6.0
Woonsocket Water Division

RY 2019

Fire Protection Costs \$ 651,994

Public Fire Hydrants

Size	Total Accounts	Demand Factor	Number of Equivalents	Percentage of Demand	Allocated Rev. Require.
4	29	38.32	1,111		
6	1,541	111.31	171,529		
	1,570		172,640	87.9%	\$ 573,169

Private Sprinklers

Size	Total Accounts	Demand Factor	Number of Equivalents	Percentage of Demand	Allocated Rev. Require.
2	14	6.19	87		
3	7	17.98	126		
4	64	38.32	2,452		
6	102	111.31	11,354		
8	32	237.21	7,591		
10	5	426.58	2,133		
	224		23,742	12.1%	\$ 78,825

Grand Total 1,794 196,382 100% \$ 651,994

Public Fire Charges

Allocated Costs \$ 573,169
 No. of Equivalents 172,640
 Rate per Equivalent \$ 3.32

Size	Rate per Equivalent	Demand Factor	Charge per Hydrant
4	\$ 3.32	38.32	\$ 127.22
6	\$ 3.32	111.31	\$ 369.55

Plus: \$ 9.44 Per Bill (See Schedule DGB-8)

Private Fire Charges

Allocated Costs \$ 78,825
 No. of Equivalents 23,742
 Rate per Equivalent \$ 3.32

Size	Rate per Equivalent	Demand Factor	Charge per Service	Billing Charge	Service Charge	Total Charge
2	\$ 3.32	6.19	\$ 20.55	\$ 9.44	\$ 12.59	\$ 42.59
3	\$ 3.32	17.98	59.69	9.44	\$ 17.34	\$ 86.48
4	\$ 3.32	38.32	127.22	9.44	\$ 26.36	\$ 163.02
6	\$ 3.32	111.31	369.55	9.44	\$ 46.51	\$ 425.51
8	\$ 3.32	237.21	787.54	9.44	\$ 81.36	\$ 878.34
10	\$ 3.32	426.58	1,416.26	9.44	\$ 116.70	\$ 1,542.40

Determination of Customer Service Charges Joint Settlement Schedule-7.0
Woonsocket Water Division

RY 2019

Billing Charges

Billing Charges	\$ 358,979	
No. of Bills	38,013	See Schedule DGB-5
Rate per Bill	<u>\$ 9.44</u>	

Meter/Service Charges

Meter/Service Charges	\$ 392,761
Meter Allocated (90%)	\$ 353,485
No. of EQ. Meters	10,670
Rate per Eq. Meter/Yr	<u>\$ 33.13</u>
Service Allocated (10%)	\$ 39,276
No. of EQ. Services	14,270
Rate per Eq. Service/Yr	<u>\$ 2.75</u>

Size	Rate per Equivalent	Meter Charge	Service Charge	Total Meter/Service Charge
5/8	1.00	\$ 33.13	\$ 2.75	\$ 35.88
3/4	1.42	\$ 47.04	\$ 3.91	\$ 50.95
1	1.76	\$ 58.24	\$ 4.84	\$ 63.08
1 1/2	3.26	\$ 108.00	\$ 8.97	\$ 116.97
2	4.58	\$ 151.57	\$ 12.59	\$ 164.16
3	6.30	\$ 208.72	\$ 17.34	\$ 226.06
4	9.58	\$ 317.25	\$ 26.36	\$ 343.60
6	16.90	\$ 559.89	\$ 46.51	\$ 606.40
8	29.56	\$ 979.31	\$ 81.36	\$ 1,060.67
10	42.40	\$ 1,404.69	\$ 116.70	\$ 1,521.39

Total Service Charges per Quarter

Size	Meter/Service Charge	Billing Charge	Total Meter/Service Charge
5/8	\$ 8.97	\$ 9.44	\$ 18.41
3/4	\$ 12.74	\$ 9.44	\$ 22.18
1	\$ 15.77	\$ 9.44	\$ 25.21
1 1/2	\$ 29.24	\$ 9.44	\$ 38.69
2	\$ 41.04	\$ 9.44	\$ 50.48
3	\$ 56.51	\$ 9.44	\$ 65.96
4	\$ 85.90	\$ 9.44	\$ 95.34
6	\$ 151.60	\$ 9.44	\$ 161.04
8	\$ 265.17	\$ 9.44	\$ 274.61
10	\$ 380.35	\$ 9.44	\$ 389.79

Projected revenue from Woonsocket Public Fire (a)

	<u>4"</u>	<u>6"</u>	Total
Number of Hydrant billed to City of Woonsocket	20	1,488	1,508
Rate per Hydrant	\$ 127.22	\$ 369.55	
Projected revenue from Woonsocket Public Fire	<u>\$ 2,544</u>	<u>\$ 549,894</u>	<u>\$ 552,438</u>

Public Fire Service Charges per Year

Woonsocket Hydrant Revenue	\$ 552,438
No. of EQ. Meters Woonsocket Only	<u>9,730</u>
Rate per Eq. Meter/Yr	<u>\$ 56.78</u>

<u>Size</u>	<u>Equivalency Ratio</u>	<u>Fire Protection Service Charge</u>
5/8	1.00	\$ 56.78
3/4	1.42	\$ 80.62
1	1.76	\$ 99.81
1 1/2	3.26	\$ 185.09
2	4.58	\$ 259.75
3	6.30	\$ 357.69
4	9.58	\$ 543.69
6	16.90	\$ 959.52
8	29.56	\$ 1,678.30
10	42.40	\$ 2,407.31

Total Customer Service Charges per Quarter

<u>Size</u>	<u>Fire Protection Service Charge</u>
5/8	\$ 14.19
3/4	\$ 20.16
1	\$ 24.95
1 1/2	\$ 46.27
2	\$ 64.94
3	\$ 89.42
4	\$ 135.92
6	\$ 239.88
8	\$ 419.58
10	\$ 601.83

(a) This revenue is for allocation purposes only per City Ordinance the City is exempt for paying Hydrant charges.

Comparison of Existing and Proposed Rates & Charges - RY 2019

Woonsocket Water Division

Joint Settlement Schedule-9.0

			Current	Proposed	% Increase
<u>Public Fire Protection</u>					
<i>City of Woonsocket</i>					
	4	Inch	\$ -	\$ -	0.00%
	6	Inch	\$ -	\$ -	0.00%
<i>Other</i>					
	4	Inch	\$ 163.74	\$ 127.22	-22.30%
	6	Inch	\$ 475.62	\$ 369.55	-22.30%
		Per Bill	\$ 9.27	\$ 9.44	1.87%
<u>Private Fire Protection</u>					
	2	Inch	\$ 46.94	\$ 42.59	-9.28%
	3	Inch	\$ 101.54	\$ 86.48	-14.83%
	4	Inch	\$ 196.49	\$ 163.02	-17.03%
	6	Inch	\$ 526.32	\$ 425.51	-19.15%
	8	Inch	\$ 1,095.32	\$ 878.34	-19.81%
	10	Inch	\$ 1,935.97	\$ 1,542.40	-20.33%
<u>Minimum Service Charge</u>					
<i>Customer Service Charge All Ratepayers</i>					
	5/8	Inch	\$ 16.82	\$ 18.41	9.48%
	3/4	Inch	\$ 20.00	\$ 22.18	10.91%
	1	Inch	\$ 22.55	\$ 25.21	11.81%
	1 1/2	Inch	\$ 33.89	\$ 38.69	14.16%
	2	Inch	\$ 43.82	\$ 50.48	15.21%
	3	Inch	\$ 56.85	\$ 65.96	16.02%
	4	Inch	\$ 81.59	\$ 95.34	16.86%
	6	Inch	\$ 136.90	\$ 161.04	17.64%
	8	Inch	\$ 232.51	\$ 274.61	18.11%
	10	Inch	\$ 329.47	\$ 389.79	18.31%
<i>Additional Fire Protection Service Charge Only Ratepayers in Woonsocket</i>					
	5/8	Inch	\$ 17.01	\$ 14.19	-16.55%
	3/4	Inch	\$ 24.15	\$ 20.16	-16.54%
	1	Inch	\$ 29.90	\$ 24.95	-16.54%
	1 1/2	Inch	\$ 55.45	\$ 46.27	-16.55%
	2	Inch	\$ 77.82	\$ 64.94	-16.55%
	3	Inch	\$ 107.16	\$ 89.42	-16.55%
	4	Inch	\$ 162.89	\$ 135.92	-16.56%
	6	Inch	\$ 287.47	\$ 239.88	-16.55%
	8	Inch	\$ 502.81	\$ 419.58	-16.55%
	10	Inch	\$ 721.22	\$ 601.83	-16.55%
<u>Metered Rates</u>					
Wholesale		Rate per 1,000,000 gallons	\$ 4,544.45	\$ 4,995.32	9.92%
Retail		Rate per 100 Cubic Feet	\$ 4.06	\$ 4.41	8.67%

Proof of Revenues Schedule - RY 2019
Woonsocket Water Division

Joint Settlement Schedule-10.0

		Count or Usage	Current Rate	Proposed Rate	Current Revenue	Proposed Revenue	Dollar Increase
Public Fire Protection							
<i>City of Woonsocket</i>							
4	Inch	20	\$ -	\$ -	\$ -	\$ -	\$ -
6	Inch	1,488	\$ -	\$ -	\$ -	\$ -	\$ -
<i>Other</i>							
4	Inch	9	\$ 163.74	\$ 127.22	\$ 1,474	\$ 1,145	\$ (329)
6	Inch	53	\$ 475.62	\$ 369.55	\$ 25,208	\$ 19,586	\$ (5,622)
	Per Bill	9	\$ 9.27	\$ 9.44	\$ 83	\$ 85	\$ 2
					<u>\$ 26,765</u>	<u>\$ 20,816</u>	<u>\$ (5,949)</u>
Private Fire Protection							
2	Inch	14	\$ 46.94	\$ 42.59	\$ 657	\$ 596	\$ (61)
3	Inch	7	\$ 101.54	\$ 86.48	\$ 711	\$ 605	\$ (105)
4	Inch	64	\$ 196.49	\$ 163.02	\$ 12,575	\$ 10,433	\$ (2,142)
6	Inch	102	\$ 526.32	\$ 425.51	\$ 53,685	\$ 43,402	\$ (10,283)
8	Inch	32	\$ 1,095.32	\$ 878.34	\$ 35,050	\$ 28,107	\$ (6,943)
10	Inch	5	\$ 1,935.97	\$ 1,542.40	\$ 9,680	\$ 7,712	\$ (1,968)
					<u>\$ 112,358</u>	<u>\$ 90,856</u>	<u>\$ (21,502)</u>
Minimum Service Charge							
<i>Customer Service Charge All Ratepayers</i>							
5/8	Inch	33,920	\$ 16.82	\$ 18.41	\$ 570,534	\$ 624,604	\$ 54,070
3/4	Inch	980	\$ 20.00	\$ 22.18	\$ 19,600	\$ 21,738	\$ 2,138
1	Inch	1,536	\$ 22.55	\$ 25.21	\$ 34,637	\$ 38,728	\$ 4,091
1 1/2	Inch	244	\$ 33.89	\$ 38.69	\$ 8,269	\$ 9,440	\$ 1,171
2	Inch	520	\$ 43.82	\$ 50.48	\$ 22,786	\$ 26,251	\$ 3,465
3	Inch	24	\$ 56.85	\$ 65.96	\$ 1,364	\$ 1,583	\$ 219
4	Inch	36	\$ 81.59	\$ 95.34	\$ 2,937	\$ 3,432	\$ 495
6	Inch	24	\$ 136.90	\$ 161.04	\$ 3,286	\$ 3,865	\$ 579
8	Inch	20	\$ 232.51	\$ 274.61	\$ 4,650	\$ 5,492	\$ 842
10	Inch	-	\$ 329.47	\$ 389.79	\$ -	\$ -	\$ -
					<u>\$ 668,064</u>	<u>\$ 735,134</u>	<u>\$ 67,070</u>
<i>Additional Fire Protection Service Charge Only Ratepayers in Woonsocket</i>							
5/8	Inch	31,568	\$ 17.01	\$ 14.19	\$ 536,972	\$ 448,078	\$ (88,894)
3/4	Inch	872	\$ 24.15	\$ 20.16	\$ 21,059	\$ 17,576	\$ (3,483)
1	Inch	1,440	\$ 29.90	\$ 24.95	\$ 43,056	\$ 35,933	\$ (7,123)
1 1/2	Inch	212	\$ 55.45	\$ 46.27	\$ 11,755	\$ 9,810	\$ (1,946)
2	Inch	472	\$ 77.82	\$ 64.94	\$ 36,731	\$ 30,651	\$ (6,080)
3	Inch	20	\$ 107.16	\$ 89.42	\$ 2,143	\$ 1,788	\$ (355)
4	Inch	28	\$ 162.89	\$ 135.92	\$ 4,561	\$ 3,806	\$ (755)
6	Inch	20	\$ 287.47	\$ 239.88	\$ 5,749	\$ 4,798	\$ (952)
8	Inch	-	\$ 502.81	\$ 419.58	\$ -	\$ -	\$ -
10	Inch	-	\$ 721.22	\$ 601.83	\$ -	\$ -	\$ -
					<u>\$ 662,026</u>	<u>\$ 552,438</u>	<u>\$ (109,588)</u>
					<u>\$ 1,330,091</u>	<u>\$ 1,287,572</u>	<u>\$ (42,518)</u>
Metered Rates							
Wholesale	Rate per 1,000,000 gallons	92	\$ 4,544.45	\$ 4,995.32	\$ 419,565	\$ 461,191	\$ 41,626
Retail	Rate per 100 Cubic Feet	1,457,027	\$ 4.06	\$ 4.41	\$ 5,915,529	\$ 6,428,241	\$ 512,713
					<u>\$ 6,335,094</u>	<u>\$ 6,889,432</u>	<u>\$ 554,339</u>
Total Rates and Charges					\$ 7,804,307	\$ 8,288,677	\$ 484,370
Misc Revenue					\$ 321,852	\$ 321,852	\$ -
Total Revenue					\$ 8,126,159	\$ 8,610,529	\$ 484,370
Revenue Required (Rate Year 2019) --See Joint Settlement Schedule 1.2 page 2 of 2						8,609,008	
Variance						\$ 1,521	0.02%

Impact of Proposed Rates - RY 2019
Woonsocket Water Division

Joint Settlement Schedule-11.0

			Count or Usage	Current Revenue	Proposed Revenue	Dollar Increase	% Increase
<i>Ratepayers in the City of Woonsocket</i>							
5/8	Inch Meter	7,000 cu ft/yr	7,000	\$ 419.52	\$ 439.26	\$ 20	4.71%
5/8	Inch Meter	8,000 cu ft/yr	8,000	\$ 460.12	\$ 483.36	\$ 23	5.05%
5/8	Inch Meter	20,000 cu ft/yr	20000	\$ 947.32	\$ 1,012.81	\$ 65	6.91%
1	Inch Meter	50,000 cu ft/yr	50,000	\$ 2,239.80	\$ 2,406.61	\$ 167	7.45%
4	Inch Meter	500,000 cu ft/yr	500,000	\$ 21,277.92	\$ 22,984.52	\$ 1,707	8.02%
6	Inch Meter	1,000,000 cu ft/yr	1,000,000	\$ 42,297.48	\$ 45,722.59	\$ 3,425	8.10%
<i>Ratepayers in Other Communities serviced by Woonsocket</i>							
5/8	Inch Meter	7,000 cu ft/yr	7,000	\$ 351.48	\$ 382.49	\$ 31	8.82%
5/8	Inch Meter	8,000 cu ft/yr	8,000	\$ 392.08	\$ 426.59	\$ 35	8.80%
5/8	Inch Meter	20,000 cu ft/yr	20000	\$ 879.28	\$ 956.03	\$ 77	8.73%
1	Inch Meter	50,000 cu ft/yr	50,000	\$ 2,120.20	\$ 2,306.80	\$ 187	8.80%
4	Inch Meter	500,000 cu ft/yr	500,000	\$ 20,626.36	\$ 22,440.83	\$ 1,814	8.80%
6	Inch Meter	1,000,000 cu ft/yr	1,000,000	\$ 41,147.60	\$ 44,763.07	\$ 3,615	8.79%

Proposed Step Increase - RY 2020
Woonsocket Water Division

YEAR 2 - RY 2020

Rate Year (FYE 12/31/19) Revenue Requirement \$ 8,287,155 See Joint Settlement Schedule 2.0 page 3 of 3

Step Increases for 2020 - See Joint Settlement Schedule 12.1 page 1 of 2

New Debt Reserve Funding	170,000
Plant Op Contract (existing plant)	52,407
Remove one time Chemical Credit	145,717
Light & Power Increase	-
Property & Fire Taxes Increase	1,998
Inflation Labor @ 2%	22,049
Inflation Non-Labor @ 2.5%	34,797
Rate Case Expense to cover Step	16,000
Operating Resrve Increase 1.5%	3,854
	<u>446,822</u>

Revenue from rates	\$ 8,733,977
Misc Revenue	321,852
Total Rate Year Revenue	<u>\$ 9,055,829</u>

Rate Year (FYE 12/31/20) Revenue Requirement \$ 8,733,977
 Proposed Step Increase (FYE 12/31/20) Revenue Requirement 5.39%

	Current Rate		Proposed 2019		Step Increase 2020
<hr/>					
Public Fire Protection					
<hr/>					
<i>Communities Outside Woonsocket</i>					
4	Inch	\$ 163.74	# \$ 127.22	\$ 134.08	
6	Inch	\$ 475.62	# \$ 369.55	\$ 389.48	
	Per Bill	\$ 9.27	# \$ 9.44	\$ 9.95	
<hr/>					
Private Fire Protection					
<hr/>					
2	Inch	\$ 46.94	# \$ 42.59	\$ 44.88	
3	Inch	\$ 101.54	# \$ 86.48	\$ 91.14	
4	Inch	\$ 196.49	# \$ 163.02	\$ 171.81	
6	Inch	\$ 526.32	# \$ 425.51	\$ 448.45	
8	Inch	\$ 1,095.32	# \$ 878.34	\$ 925.70	
10	Inch	\$ 1,935.97	# \$ 1,542.40	\$ 1,625.56	
<hr/>					
Minimum Service Charge					
<hr/>					
<i>Customer Service Charge All Ratepayers</i>					
5/8	Inch	\$ 16.82	# \$ 18.41	\$ 19.41	
3/4	Inch	\$ 20.00	# \$ 22.18	\$ 23.38	
1	Inch	\$ 22.55	# \$ 25.21	\$ 26.57	
1 1/2	Inch	\$ 33.89	# \$ 38.69	\$ 40.77	
2	Inch	\$ 43.82	# \$ 50.48	\$ 53.21	
3	Inch	\$ 56.85	# \$ 65.96	\$ 69.51	
4	Inch	\$ 81.59	# \$ 95.34	\$ 100.49	
6	Inch	\$ 136.90	# \$ 161.04	\$ 169.73	
8	Inch	\$ 232.51	# \$ 274.61	\$ 289.42	
10	Inch	\$ 329.47	# \$ 389.79	\$ 410.81	
<hr/>					
<i>Additional Fire Protection Service Charge Only Ratepayers in Woonsocket</i>					
5/8	Inch	\$ 17.01	# \$ 14.19	\$ 14.96	
3/4	Inch	\$ 24.15	# \$ 20.16	\$ 21.24	
1	Inch	\$ 29.90	# \$ 24.95	\$ 26.30	
1 1/2	Inch	\$ 55.45	# \$ 46.27	\$ 48.77	
2	Inch	\$ 77.82	# \$ 64.94	\$ 68.44	
3	Inch	\$ 107.16	# \$ 89.42	\$ 94.24	
4	Inch	\$ 162.89	# \$ 135.92	\$ 143.25	
6	Inch	\$ 287.47	# \$ 239.88	\$ 252.81	
8	Inch	\$ 502.81	# \$ 419.58	\$ 442.20	
10	Inch	\$ 721.22	# \$ 601.83	\$ 634.28	
<hr/>					
Metered Rates					
<hr/>					
Wholesale	Rate per 1,000,000 gallons	\$ 4,544.45	# \$ 4,995.32	\$ 5,264.65	
Retail	Rate per 100 Cubic Feet	\$ 4.06	# \$ 4.41	\$ 4.65	

Proposed Step Increase - RY 2021
Woonsocket Water Division

YEAR 3 - RY 2021

Rate Year (FYE 12/31/20) Revenue Requirement \$ 8,733,977 See Joint Settlement Schedule 12.0 page 1 of 4

Step Increases for 2020 - See Joint Settlement Schedule 12.1 page 1 of 2

New Debt Reserve Funding	335,000
Plant Op Contract (New plant)	(2,407)
Remove one time Chemical Credit	-
Light & Power Increase	-
Property & Fire Taxes Increase	2,020
Inflation Labor @ 2%	22,490
Inflation Non-Labor @ 2.5%	35,527
Operating Resrve Increase 1.5%	(720)
	<u>391,910</u>

Revenue from rates	9,125,887
Misc Revenue	321,852
Total Rate Year Revenue	<u><u>9,447,739</u></u>

Rate Year (FYE 12/31/21) Revenue Requirement \$ 9,125,887
 Proposed Step Increase (FYE 12/31/21) Revenue Requirement 4.49%

	Current Rate	Proposed 2019	Step Increase 2020	Step Increase 2021	
<u>Public Fire Protection</u>					
<i>Communities Outside Woonsocket</i>					
4 Inch	\$ 163.74	\$ 127.22	\$ 134.08	\$ 140.10	
6 Inch	\$ 475.62	\$ 369.55	\$ 389.48	\$ 406.95	
Per Bill	\$ 9.27	\$ 9.44	\$ 9.95	\$ 10.40	
<u>Private Fire Protection</u>					
2 Inch	\$ 46.94	\$ 42.59	\$ 44.88	\$ 46.90	
3 Inch	\$ 101.54	\$ 86.48	\$ 91.14	\$ 95.23	
4 Inch	\$ 196.49	\$ 163.02	\$ 171.81	\$ 179.52	
6 Inch	\$ 526.32	\$ 425.51	\$ 448.45	\$ 468.57	
8 Inch	\$ 1,095.32	\$ 878.34	\$ 925.70	\$ 967.24	
10 Inch	\$ 1,935.97	\$ 1,542.40	\$ 1,625.56	\$ 1,698.50	
<u>Minimum Service Charge</u>					
<i>Customer Service Charge All Ratepayers</i>					
5/8 Inch	\$ 16.82	\$ 18.41	\$ 19.41	\$ 20.28	
3/4 Inch	\$ 20.00	\$ 22.18	\$ 23.38	\$ 24.43	
1 Inch	\$ 22.55	\$ 25.21	\$ 26.57	\$ 27.77	
1 1/2 Inch	\$ 33.89	\$ 38.69	\$ 40.77	\$ 42.60	
2 Inch	\$ 43.82	\$ 50.48	\$ 53.21	\$ 55.59	
3 Inch	\$ 56.85	\$ 65.96	\$ 69.51	\$ 72.63	
4 Inch	\$ 81.59	\$ 95.34	\$ 100.49	\$ 104.99	
6 Inch	\$ 136.90	\$ 161.04	\$ 169.73	\$ 177.34	
8 Inch	\$ 232.51	\$ 274.61	\$ 289.42	\$ 302.40	
10 Inch	\$ 329.47	\$ 389.79	\$ 410.81	\$ 429.24	
<u>Additional Fire Protection Service Charge Only Ratepayers in Woonsocket</u>					
5/8 Inch	\$ 17.01	\$ 14.19	\$ 14.96	\$ 15.63	
3/4 Inch	\$ 24.15	\$ 20.16	\$ 21.24	\$ 22.20	
1 Inch	\$ 29.90	\$ 24.95	\$ 26.30	\$ 27.48	
1 1/2 Inch	\$ 55.45	\$ 46.27	\$ 48.77	\$ 50.96	
2 Inch	\$ 77.82	\$ 64.94	\$ 68.44	\$ 71.51	
3 Inch	\$ 107.16	\$ 89.42	\$ 94.24	\$ 98.47	
4 Inch	\$ 162.89	\$ 135.92	\$ 143.25	\$ 149.68	
6 Inch	\$ 287.47	\$ 239.88	\$ 252.81	\$ 264.16	
8 Inch	\$ 502.81	\$ 419.58	\$ 442.20	\$ 462.04	
10 Inch	\$ 721.22	\$ 601.83	\$ 634.28	\$ 662.74	
<u>Metered Rates</u>					
Wholesale	Rate per 1,000,000 gallons	\$ 4,544.45	\$ 4,995.32	\$ 5,264.65	\$ 5,500.89
Retail	Rate per 100 Cubic Feet	\$ 4.06	\$ 4.41	\$ 4.65	\$ 4.86

Proposed Step Increase - RY 2022
Woonsocket Water Division

YEAR 4 - RY 2022

Rate Year (FYE 12/31/21) Revenue Requirement \$ 9,125,887 See Joint Settlement Schedule 12.0 page 2 of 4

Step Increases for 2020 - See Joint Settlement Schedule 12.1 page 2 of 2

New Debt Reserve Funding	1,225,000
Plant Op Contract (New plant)	52,164
Remove one time Chemical Credit	-
Light & Power Increase	-
Property & Fire Taxes Increase	-
Inflation Labor @ 2%	-
Inflation Non-Labor @ 2.5%	-
Operating Resrve Increase 1.5%	793
	<u>1,277,957</u>

Revenue from rates	10,403,844
Misc Revenue	321,852
Total Rate Year Revenue	<u><u>10,725,696</u></u>

Rate Year (FYE 12/31/22) Revenue Requirement \$ 10,403,844
Proposed Step Increase (FYE 12/31/22) Revenue Requirement 14.00%

	Current Rate	Proposed 2019	Step Increase 2020	Step Increase 2021	Step Increase 2022	
Public Fire Protection						
<i>Communities Outside Woonsocket</i>						
4 Inch	\$ 163.74	\$ 127.22	\$ 134.08	\$ 140.10	\$ 159.72	
6 Inch	\$ 475.62	\$ 369.55	\$ 389.48	\$ 406.95	\$ 463.94	
Per Bill	\$ 9.27	\$ 9.44	\$ 9.95	\$ 10.40	\$ 11.86	
Private Fire Protection						
2 Inch	\$ 46.94	\$ 42.59	\$ 44.88	\$ 46.90	\$ 53.46	
3 Inch	\$ 101.54	\$ 86.48	\$ 91.14	\$ 95.23	\$ 108.56	
4 Inch	\$ 196.49	\$ 163.02	\$ 171.81	\$ 179.52	\$ 204.66	
6 Inch	\$ 526.32	\$ 425.51	\$ 448.45	\$ 468.57	\$ 534.19	
8 Inch	\$ 1,095.32	\$ 878.34	\$ 925.70	\$ 967.24	\$ 1,102.69	
10 Inch	\$ 1,935.97	\$ 1,542.40	\$ 1,625.56	\$ 1,698.50	\$ 1,936.35	
Minimum Service Charge						
<i>Customer Service Charge All Ratepayers</i>						
5/8 Inch	\$ 16.82	\$ 18.41	\$ 19.41	\$ 20.28	\$ 23.12	
3/4 Inch	\$ 20.00	\$ 22.18	\$ 23.38	\$ 24.43	\$ 27.85	
1 Inch	\$ 22.55	\$ 25.21	\$ 26.57	\$ 27.77	\$ 31.65	
1 1/2 Inch	\$ 33.89	\$ 38.69	\$ 40.77	\$ 42.60	\$ 48.57	
2 Inch	\$ 43.82	\$ 50.48	\$ 53.21	\$ 55.59	\$ 63.38	
3 Inch	\$ 56.85	\$ 65.96	\$ 69.51	\$ 72.63	\$ 82.80	
4 Inch	\$ 81.59	\$ 95.34	\$ 100.49	\$ 104.99	\$ 119.70	
6 Inch	\$ 136.90	\$ 161.04	\$ 169.73	\$ 177.34	\$ 202.18	
8 Inch	\$ 232.51	\$ 274.61	\$ 289.42	\$ 302.40	\$ 344.75	
10 Inch	\$ 329.47	\$ 389.79	\$ 410.81	\$ 429.24	\$ 489.35	
Additional Fire Protection Service Charge Only Ratepayers in Woonsocket						
5/8 Inch	\$ 17.01	\$ 14.19	\$ 14.96	\$ 15.63	\$ 17.82	
3/4 Inch	\$ 24.15	\$ 20.16	\$ 21.24	\$ 22.20	\$ 25.30	
1 Inch	\$ 29.90	\$ 24.95	\$ 26.30	\$ 27.48	\$ 31.33	
1 1/2 Inch	\$ 55.45	\$ 46.27	\$ 48.77	\$ 50.96	\$ 58.09	
2 Inch	\$ 77.82	\$ 64.94	\$ 68.44	\$ 71.51	\$ 81.52	
3 Inch	\$ 107.16	\$ 89.42	\$ 94.24	\$ 98.47	\$ 112.26	
4 Inch	\$ 162.89	\$ 135.92	\$ 143.25	\$ 149.68	\$ 170.64	
6 Inch	\$ 287.47	\$ 239.88	\$ 252.81	\$ 264.16	\$ 301.15	
8 Inch	\$ 502.81	\$ 419.58	\$ 442.20	\$ 462.04	\$ 526.74	
10 Inch	\$ 721.22	\$ 601.83	\$ 634.28	\$ 662.74	\$ 755.55	
Metered Rates						
Wholesale	Rate per 1,000,000 gallons	\$ 4,544.45	\$ 4,995.32	\$ 5,264.65	\$ 5,500.89	\$ 6,271.21
Retail	Rate per 100 Cubic Feet	\$ 4.06	\$ 4.41	\$ 4.65	\$ 4.86	\$ 5.54

Proposed Step Increase - RY 2023
Woonsocket Water Division

YEAR 5 - RY 2023

Rate Year (FYE 12/31/22) Revenue Requirement \$ 10,403,844 See Joint Settlement Schedule 12.0 page 3 of 4

Step Increases for 2020 - See Joint Settlement Schedule 12.1 page 2 of 2

New Debt Reserve Funding	1,200,000
Plant Op Contract (New plant)	51,896
Remove one time Chemical Credit	-
Light & Power Increase	-
Property & Fire Taxes Increase	-
Inflation Labor @ 2%	-
Inflation Non-Labor @ 2.5%	-
Operating Resrve Increase 1.5%	881
	<u>1,252,777</u>

Revenue from rates	11,656,621
Misc Revenue	321,852
Total Rate Year Revenue	<u><u>11,978,473</u></u>

Rate Year (FYE 12/31/23) Revenue Requirement \$ 11,656,621
 Proposed Step Increase (FYE 12/31/23) Revenue Requirement 12.04%

	Current Rate	Proposed 2019	Step Increase 2020	Step Increase 2021	Step Increase 2022	Step Increase 2023	
Public Fire Protection							
<i>Communities Outside Woonsocket</i>							
4 Inch	\$ 163.74	\$ 127.22	\$ 134.08	\$ 140.10	\$ 159.72	\$ 178.95	
6 Inch	\$ 475.62	\$ 369.55	\$ 389.48	\$ 406.95	\$ 463.94	\$ 519.81	
Per Bill	\$ 9.27	\$ 9.44	\$ 9.95	\$ 10.40	\$ 11.86	\$ 13.28	
Private Fire Protection							
2 Inch	\$ 46.94	\$ 42.59	\$ 44.88	\$ 46.90	\$ 53.46	\$ 59.90	
3 Inch	\$ 101.54	\$ 86.48	\$ 91.14	\$ 95.23	\$ 108.56	\$ 121.64	
4 Inch	\$ 196.49	\$ 163.02	\$ 171.81	\$ 179.52	\$ 204.66	\$ 229.31	
6 Inch	\$ 526.32	\$ 425.51	\$ 448.45	\$ 468.57	\$ 534.19	\$ 598.52	
8 Inch	\$ 1,095.32	\$ 878.34	\$ 925.70	\$ 967.24	\$ 1,102.69	\$ 1,235.47	
10 Inch	\$ 1,935.97	\$ 1,542.40	\$ 1,625.56	\$ 1,698.50	\$ 1,936.35	\$ 2,169.52	
Minimum Service Charge							
<i>Customer Service Charge All Ratepayers</i>							
5/8 Inch	\$ 16.82	\$ 18.41	\$ 19.41	\$ 20.28	\$ 23.12	\$ 25.90	
3/4 Inch	\$ 20.00	\$ 22.18	\$ 23.38	\$ 24.43	\$ 27.85	\$ 31.20	
1 Inch	\$ 22.55	\$ 25.21	\$ 26.57	\$ 27.77	\$ 31.65	\$ 35.47	
1 1/2 Inch	\$ 33.89	\$ 38.69	\$ 40.77	\$ 42.60	\$ 48.57	\$ 54.42	
2 Inch	\$ 43.82	\$ 50.48	\$ 53.21	\$ 55.59	\$ 63.38	\$ 71.01	
3 Inch	\$ 56.85	\$ 65.96	\$ 69.51	\$ 72.63	\$ 82.80	\$ 92.78	
4 Inch	\$ 81.59	\$ 95.34	\$ 100.49	\$ 104.99	\$ 119.70	\$ 134.11	
6 Inch	\$ 136.90	\$ 161.04	\$ 169.73	\$ 177.34	\$ 202.18	\$ 226.52	
8 Inch	\$ 232.51	\$ 274.61	\$ 289.42	\$ 302.40	\$ 344.75	\$ 386.26	
10 Inch	\$ 329.47	\$ 389.79	\$ 410.81	\$ 429.24	\$ 489.35	\$ 548.28	
Additional Fire Protection Service Charge Only Ratepayers in Woonsocket							
5/8 Inch	\$ 17.01	\$ 14.19	\$ 14.96	\$ 15.63	\$ 17.82	\$ 19.97	
3/4 Inch	\$ 24.15	\$ 20.16	\$ 21.24	\$ 22.20	\$ 25.30	\$ 28.35	
1 Inch	\$ 29.90	\$ 24.95	\$ 26.30	\$ 27.48	\$ 31.33	\$ 35.10	
1 1/2 Inch	\$ 55.45	\$ 46.27	\$ 48.77	\$ 50.96	\$ 58.09	\$ 65.09	
2 Inch	\$ 77.82	\$ 64.94	\$ 68.44	\$ 71.51	\$ 81.52	\$ 91.34	
3 Inch	\$ 107.16	\$ 89.42	\$ 94.24	\$ 98.47	\$ 112.26	\$ 125.78	
4 Inch	\$ 162.89	\$ 135.92	\$ 143.25	\$ 149.68	\$ 170.64	\$ 191.19	
6 Inch	\$ 287.47	\$ 239.88	\$ 252.81	\$ 264.16	\$ 301.15	\$ 337.41	
8 Inch	\$ 502.81	\$ 419.58	\$ 442.20	\$ 462.04	\$ 526.74	\$ 590.17	
10 Inch	\$ 721.22	\$ 601.83	\$ 634.28	\$ 662.74	\$ 755.55	\$ 846.52	
Metered Rates							
Wholesale	Rate per 1,000,000 gallons	\$ 4,544.45	\$ 4,995.32	\$ 5,264.65	\$ 5,500.89	\$ 6,271.21	\$ 7,026.36
Retail	Rate per 100 Cubic Feet	\$ 4.06	\$ 4.41	\$ 4.65	\$ 4.86	\$ 5.54	\$ 6.21

YEAR 2 - RY 2020

	WWD Adjusted Rate Year	Division Adjustments	Division Adjusted Rate Year	Settlement Adjustments	Settlement Adjusted Rate Year
<u>Step Increases for 2020</u>					
New Debt Reserve Funding	170,000	-	170,000	-	170,000
Plant Op Contract (existing plant)	50,854	1,553	52,407	(0)	52,407
Remove one time Chemical Credit	145,717	-	145,717	-	145,717
Rate Case Expense (Unrestricted)				16,000	16,000 A
Light & Power Increase	-	-	-	-	-
Property & Fire Taxes Increase	5,402	(3,404)	1,998	-	1,998
Inflation Labor @ 2%	22,049	-	22,049	-	22,049
Inflation Non-Labor @ 2.5%	47,132	(12,335)	34,797	-	34,797
Operating Reserve Increase 1.5%	4,067	(213)	3,854	-	3,854
	445,221	(14,399)	430,822	16,000	446,822

A Per the settlement the parties agreed that the rate case expense for the 1st year would only include the amortization of the year 1 rate case expenses. The compliance filings of following years would be funded with an adjustment to the 2nd step year. The adjustment of 16,000 is an estimation at this time and this amount will be trued up during the compliance filing of the 2nd Year increase.

YEAR 3 - RY 2021

	WWD Adjusted Rate Year	Division Adjustments	Division Adjusted Rate Year	Settlement Adjustments	Settlement Adjusted Rate Year
<u>Step Increases for 2021</u>					
New Debt Reserve Funding	335,000	-	335,000	-	335,000
Plant Op Contract (New plant)	218,146	(326,286)	(108,140)	105,733	(2,407) B
Remove one time Chemical Credit	-	-	-	-	-
Light & Power Increase	-	-	-	-	-
Property & Fire Taxes Increase	5,564	(3,544)	2,020	-	2,020
Inflation Labor @ 2%	22,490	-	22,490	-	22,490
Inflation Non-Labor @ 2.5%	48,310	(12,783)	35,527	-	35,527
Operating Reserve Increase 1.5%	4,418	(5,138)	(720)	-	(720)
	633,928	(347,751)	286,177	105,733	391,910

B Based upon a clarification of the response to Division 4-14. The figures on Division 4-14 represent the anticipated Renewal and Replacement (R&R) work performed by the DBO contractor. The actual budgeted expenditure of \$105,733 is part of the required funding for R&R per the DBO contract. Please See Joint Settlement Schedule 12.2 for the settlement funding of the DBO Contract

YEAR 4 - RY 2022

	WWD original Adjusted Rate Year	Division Adjustments	Division Adjusted Rate Year	WWD Rebuttal Adjustments	WWD Rebuttal Adjusted Rate Year
<u>Step Increases for 2022</u>					
New Debt Reserve Funding	1,225,000	-	1,225,000	-	1,225,000
Plant Op Contract (New plant)	57,902	(5,008)	52,894	(730)	52,164 C
Remove one time Chemical Credit	-	-	-	-	-
Light & Power Increase	-	-	-	-	-
Property & Fire Taxes Increase	5,731	(5,731)	(0)	-	(0)
Inflation Labor @ 2%	22,940	(22,940)	0	-	0
Inflation Non-Labor @ 2.5%	49,518	(49,518)	(0)	-	(0)
Operating Reserve Increase 1.5%	2,041	(1,248)	793	-	793
	<u>1,363,132</u>	<u>(84,445)</u>	<u>1,278,687</u>	<u>(730)</u>	<u>1,277,957</u>

C Based upon a clarification of the response to Division 4-14. The figures on Division 4-14 represent the anticipated Renewal and Replacement (R&R) work preformed by the DBO contractor. Please See Joint Settlement Schedule 12.2 for the settlement funding of the DBO Contract

YEAR 5 - RY 2023

	WWD original Adjusted Rate Year	Division Adjustments	Division Adjusted Rate Year	WWD Rebuttal Adjustments	WWD Rebuttal Adjusted Rate Year
<u>Step Increases for 2023</u>					
New Debt Reserve Funding	1,200,000	-	1,200,000	-	1,200,000
Plant Op Contract (New plant)	59,419	(779)	58,640	(6,744)	51,896 D
Remove one time Chemical Credit	-	-	-	-	-
Light & Power Increase	-	-	-	-	-
Property & Fire Taxes Increase	5,903	(5,903)	(0)	-	(0)
Inflation Labor @ 2%	23,399	(23,399)	(0)	-	(0)
Inflation Non-Labor @ 2.5%	50,756	(50,756)	(0)	-	(0)
Operating Reserve Increase 1.5%	2,092	(1,211)	881	-	881
	<u>1,341,568</u>	<u>(82,048)</u>	<u>1,259,520</u>	<u>(6,744)</u>	<u>1,252,777</u>

D Based upon a clarification of the response to Division 4-14. The figures on Division 4-14 represent the anticipated Renewal and Replacement (R&R) work preformed by the DBO contractor. Please See Joint Settlement Schedule 12.2 for the settlement funding of the DBO Contract

Settlement DBO Contract Expenditure
WOONSOCKET WATER DIVISION

Joint Settlement Schedule-12.2

	CY 2019	CY 2020	CY 2021	CY 2022	CY 2023
DBO Contract Fee					
Per Schedule DGB-COS-11 thru 14					
Originally filed - value was totaled up	1,941,000	1,991,854	2,210,000	2,267,902	2,327,321
Annual Increase		\$ 50,854	\$ 218,146	\$ 57,902	\$ 59,419

DBO Contract Fee per Division
Per Schedule LKM 3-7

<i>Inflation rate</i>		2.70%	2.70%	2.62%	2.54%
Fixed O&M Contract-old plant	1,881,000	1,931,787			
-new plant	-	-	1,852,771	1,901,314	1,949,607
Fixed Corrective-old plant	60,000	61,620			
-new plant	-	-	32,496	33,347	34,194
Fixed renewal & replacement-old plant	-	-			
-new plant	-	-	-	3,500	13,000
Total Annual Expenses	1,941,000	1,993,407	1,885,267	1,938,161	1,996,801
Annual Increase		\$ 52,407	\$ (108,140)	\$ 52,894	\$ 58,640

DBO Contract Fee per Settlement
Inflation rate

<i>Inflation rate</i>		2.70%	2.70%	2.62%	2.54%
Fixed O&M Contract-old plant	1,881,000	1,931,787			
-new plant	-	-	1,852,771	1,901,314	1,949,607
Fixed Corrective-old plant	60,000	61,620			
-new plant	-	-	32,496	33,347	34,194
Fixed renewal & replacement-old plant	-	-			
-new plant	-	-	105,733	108,503	111,259
Total Annual Expenses	1,941,000	1,993,407	1,991,000	2,043,164	2,095,061
Annual Increase		\$ 52,407	\$ (2,407)	\$ 52,164	\$ 51,896