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November 8, 2013

Luly E. Massaro, Esq., Clerk Public Utilities Commission 89 Jefferson Boulevard Warwick, RI 02888

Re:

Providence Water Supply Board - Docket No. 4406

Dear Luly:

As you know, this office represents the Providence Water Supply Board (Providence Water).

Enclosed for filing with the Commission is a revised Settlement Agreement dated November 8, 2013, which supercedes the Settlement Agreement previously filed on November 4, 2013. An original and nine copies are enclosed.

Hard copies have been sent only to the Commission and those on the service list who specifically requested hard copies.

If you have any questions, please feel free to call.

Very truly yours,

Michael R. McElroy

MRMc:tmg

cc: Service List

Docket No. 4406 - Providence Water Supply Board — General Rate Filing Service List updated 6/25/13

*Requested to receive hard copy of all data responses.

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RI Water Resources Board		

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STATE OF RHODE ISLAND AND PROVIDENCE PLANTATIONS PUBLIC UTILITIES COMMISSION

IN RE: PROVIDENCE WATER SUPPLY BOARD

APPLICATION TO CHANGE RATE : Docket No. 4406

SCHEDULES :

REVISED SETTLEMENT AGREEMENT

Pursuant to Rule 1.24 of the Commission's Rules of Practice and Procedure, Providence Water Supply Board ("Providence Water"), the Division of Public Utilities and Carriers (the "Division"), the Kent County Water Authority, the Bristol County Water Authority, the City of Warwick, and the City of East Providence (collectively referred to as the "Parties"), hereby agree as follows:

- 1. On or about March 29, 2013, Providence Water filed for additional revenues of \$14,621,794 (an increase of 24.3%) to support a total revenue request of \$74,709,281. After extensive negotiations, the Parties agree that Providence Water may be granted additional revenues of \$9,942,513 (an increase of 16.9% in service revenues) to provide total pro forma revenues of \$69,974,756 as set forth on the schedules attached hereto and incorporated by reference herein. \(^1\)
- 2. The agreed calculations and adjustments are set forth in the following updated settlement schedules which include:
 - TSC-1. Summary of Revenues and Expenses (Revised).
 - TSC-2. Summary of Division Adjustments to Rate Year Expenses
 - TSC-3 Adjustment to Salaries and Wages
 - TSC-4 Adjustment to Payroll Clearing Expense

¹ Due to rounding, the revenues generated by the proposed rates exceed these amounts by \$1,413.

•	TSC-5	Adjustment to Recognize Overheads Applied
0	TSC-6	Adjustment to Benefits Expense
•	TSC-7	Adjustment to Inflation Related Expense Increases
0	TSC-8	Adjustment to Bad Debt Expense
9	TSC-9	Adjustment to Insurance Expense
9	TSC-10	Adjustment to Chemicals Expense
0	TSC-11	Adjustment to Reflect Updated Property Tax Expense
0	TSC-12	Adjustment to Unidirectional Flushing Expense
•	TSC-13	Adjustment to Rate Case and Regulatory Expense
9	TSC-14	Adjustment to Miscellaneous Expense
•	TSC-15	Adjustment to Eliminate Incremental Costs of Monthly Billing
•	TSC-2 (Note 1)	Adjustment to Operating Reserve
•	JDM-19S	Proposed Rates and Impacts (Revised)
9	JDM-20S	Comparison of Revenues by Customer Class (Revised)
8	JDM-21S	Typical Bill Comparison (Revised)

3. A brief explanation of the adjustments from Providence Water's original position and/or rebuttal, as applicable, are as follows:

Revenue Proof (Revised)

JDM-22S

- A. <u>Salaries and Wages</u>. The Parties accept the Division's proposed adjustment reflected in the Direct Testimony of Thomas S. Catlin.
- **B.** Payroll Clearing. The Parties accept the Division's proposed adjustment reflected in the Direct Testimony of Thomas S. Catlin.

- C. Overhead Applied. In its Rebuttal Testimony, Providence Water disagreed with the Division's proposal to recognize overhead rate applied amounts as a capitalized cost that is charged to the IFR fund. The Parties agree to reduce rate year costs to recognize overhead rates applied as being reimbursed from the IFR fund.
- **D.** <u>Pension and Benefits</u>. The Parties accept the Division's proposed adjustment reflected in the Direct Testimony of Thomas S. Catlin.
- E. <u>Inflation</u>. The Parties accept the Division's proposed adjustment reflected in the Direct Testimony of Thomas S. Catlin.
- F. <u>Bad Debt.</u> The Parties accept the Division's proposed adjustment reflected in the Direct Testimony of Thomas S. Catlin.
- G. <u>Insurance</u>. The Parties accept the Division's proposed adjustment reflected in the Direct Testimony of Thomas S. Catlin.
- H. <u>Chemicals</u>. In their Rebuttal Testimony, Ms. Bondarevskis and Mr. Smith generally accepted the Division's adjustment to chemicals expense, but proposed to increase the amount of the contribution to the Chemical and Sludge Handling Restricted Account by \$50,000 to reflect an increase in sludge handling expense. The Parties accept this update.
- I. <u>Property Tax</u>. The Parties accept the Division's proposed adjustment reflected in the Direct Testimony of Thomas S. Catlin.
- J. <u>Unidirectional Flushing</u>. The Parties accept the Division's proposed adjustment reflected in the Direct Testimony of Thomas S. Catlin.
- K. Rate Case and Regulatory. The Parties accept the Division's proposed adjustment reflected in the Direct Testimony of Thomas S. Catlin.

- L. <u>Miscellaneous</u>. In its Rebuttal Testimony, Providence Water provided additional information about the miscellaneous expenses that the Division questioned in its Direct Testimony. The Parties agree to eliminate the amounts related to an air quality violation (except for \$400 for the annual permit fee) and the amounts related to customer refunds. In determining the revenue requirement in this settlement, the Parties further agreed that: the test year expense of \$28,000 for software conversion will be eliminated; the \$35,000 test year expense for appraisal services will be normalized based on one-third of the test year amount; and the \$69,933 test year expense for legal services and strategic planning will be normalized at a level of \$45,000 based on FY 2013 expense. The remaining items for Oracle support services and hazardous waste disposal and containment will be allowed.
- M. <u>Incremental Monthly Billing</u>. The Parties agree that, in lieu of utilizing the one-time increase in revenues from monthly billing to partially fund the operating reserve, the costs of converting to monthly billing will be excluded from the rate year cost of service in this case. This results in a reduction in rate year expenses of \$431,693.
- N. Operating Reserve. Providence Water's restricted operating reserve fund is expected to exceed the limit of two times the current total operating reserve allowance of three percent of revenues by the time the rates approved in this case go into effect. Therefore, the settlement reduces the operating revenue allowance to two percent with 0.5 percent restricted and 1.5 percent unrestricted. The current limitation on the use of the restricted reserve established in Docket No. 4061 will remain in effect. It is agreed that no request will be made for the Commission to open a proceeding at this time to adjust rates due to the limit being reached. Instead, in Providence Water's next rate case, the Parties will have the opportunity to review the

level of the fund at that time and to propose alternative uses of the amounts in the fund in excess of the limitation of two times the current operating revenue allowance.

- 4. Providence Water agrees to submit status reports to the Commission every six (6) months regarding the status of its Capital Fund. This will provide the opportunity for the Commission to review the potential use of the monies in the Capital Fund, to request additional information if needed.
- 5. The wholesale rate is set at \$1.294904 per HCF, which is \$1,731.16 per million gallons.
- 6. The residential retail rate is set at \$3.070 per hundred cubic feet (HCF); the commercial retail rate is set at \$2.925 per HCF; and the industrial retail rate is set at \$2.872 per HCF.
- 7. Retail consumption is projected at 13,134,187 HCF. Wholesale consumption is projected at 12,898,865 HCF. A four-year average (FY 2010 FY 2013) of actual consumption used for both retail and wholesale consumption.
 - 8. The overall rate revenue increase is 16.9%.
- 9. The Public Fire Supply rate is set at \$394.80 per hydrant, and Private Fire Service rates are shown on the attached Schedule JDM-19 Settlement.
- 10. Providence Water agrees to have an independent consultant verify the accuracy of each plant account, including accumulated depreciation and contributions in aid of construction, to resolve any questions and provide a level of confidence that future allocations are accurate. This will be done prior to the filing of Providence Water's next full filing and the report will be included in said filing, which will be filed by December 1, 2016.

11. In this Docket, Providence Water requested permission to continue funding its Capital Improvement Program Fund ("CIP") in the amount of \$2,450,000 per year. Providence Water requested permission to use this fund, among other things, to cover costs associated with a proposed Central Operations Facility ("COF"). The Parties agree that Providence Water may continue funding the CIP in the amount of \$2,450,000 annually. The Parties further agree that the current balance, and all future contributions to this account, are hereby restricted. Providence Water may not use any proceeds from this account for any purpose related in any way to a COF without first seeking permission from the Commission through an Order of the Commission, provided, however, that Providence Water may periodically seek reimbursement from the CIP for soft costs associated with the search for a COF. "Soft costs" shall include such items as surveys, engineering assessments, appraisals, cost estimates, legal fees, etc. Providence Water is required to file a formal request with the Commission, with notice to all of the Parties in this Docket, before withdrawing, committing, or encumbering any funds from this account for any purpose related in any way to a COF. Furthermore, Providence Water agrees that it will not enter into any contracts for the purchase or lease of any land or buildings or renovations to any existing buildings for a COF without first seeking permission from the Commission through an Order of the Commission. The Commission will allow the Parties a minimum of thirty (30) days to respond to any such requests. The Parties to this Docket hereby reserve the right to object to any request made by Providence to withdraw, commit or encumber funds from the CIP, for any purpose related in any way to a COF, and to any request to enter into contracts for the purchase or lease of any land or buildings or renovations to any existing buildings for a COF. By agreeing to the continued annual funding of the CIP, the Parties to this agreement do not waive any rights or issues they asserted or raised in this Docket, or any issues they may raise in future proceedings, regarding a proposed COF.

- 12. In this Docket, the Parties had differing positions on the classification of Providence Water's pipes as distribution pipe or transmission pipe, and its effect on rates. The Parties agree that this Settlement Agreement and the rate to be charged to wholesale customers, if approved by the Commission, do not resolve this dispute. Furthermore, the rate to be charged to wholesale customers, if approved by the Commission, does not reflect a resolution of this issue. This settlement will have no precedential effect in future Dockets on the classification of Providence Water's pipe as distribution pipe or transmission pipe, and its effect on rates. The Parties hereby reserve their respective rights to raise the same issues and advance the same positions that they did in this Docket, or alternative positions in future dockets, regarding Providence Water's pipe classification and its effect on rates.
- 13. It is agreed that this change in rates may be implemented by Providence Water for consumption on and after approval by the Commission at Open Meeting.
- 14. It is agreed that all accounts restricted by previous Commission Orders shall remain restricted, except as provided herein.
- 15. It is agreed that Providence Water's new tariffs will be those shown as Schedules A through F inclusive, attached hereto.
- 16. This Settlement Agreement is the result of negotiated settlement among the Parties. The agreement by the Parties to this Settlement shall not be construed as an agreement to any matter of fact or law addressed in this Settlement in any future Division or Commission proceedings, and no party, by executing this Settlement, is bound by any of the positions taken in this Settlement in any said future proceedings, and no position taken by any of the Parties to this

Settlement on any issue is to be construed as a precedent in any future Division or Commission proceedings, nor shall it be cited as a precedent.

17. In the event the Commission rejects or fails to approve any part of this Stipulation/Settlement, the entire Settlement shall be void.

Executed as of this 8th day of November, 2013.

Providence Water Supply Board

By its attorney,

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Summary of Revenues and Expenses at Present and Proposed Rates Rate Year Ended December 31, 2014

P	P	Rate Year er Providence Rebuttal	Settlement Adjustments				Proposed Rate Increase	Rate Year at Proposed Rates
Revenue			•			_		
Service Charge	\$	5,825,849	\$	-	\$ 5,825,849	\$	1,599,434	\$ 7,425,283
Retail Sales		32,217,079		-	32,217,079		7,425,407	39,642,486
Wholesale Sales		16,375,278		-	16,375,278		327,514	16,702,792
Private Fire Protection		2,290,098		-	2,290,098		340,028	2,630,126
Retail FPSC		1,182,374		-	1,182,374		94,452	1,276,826
Public Fire Protection		960,983		-	960,983		157,091	1,118,074
Miscellaneous		1,179,169		-	1,179,169		_	1,179,169
Total Revenue	\$	60,030,830	\$	-	\$ 60,030,830	\$	9,943,926	\$ 69,974,756
Expenses								
Operation & Maintenance (1)		29,486,452		(511,540)	28,974,912			28,974,912
Insurance		1,802,547		(311,340)	1,802,547		-	1,802,547
Chemicals & Sludge		4,500,000		-	4,500,000		*	4,500,000
City Services		839,167		-	4,500,000 839,167		-	4,500,000 839,167
Property Taxes		6,487,515		-	6,487,515		-	•
Captital Reimbursement		(834,389)		(4 257 202)			-	6,487,515
Net Operations	S	42,281,292	\$	(1,257,383)	(2,091,772)	\$		(2,091,772)
Net Operations	Ф	42,201,292	Ф	(1,768,923)	\$ 40,512,369	Ф	•••	\$ 40,512,369
Capital Fund		2,450,000		-	2,450,000			2,450,000
Western Cranston		62,069		•	62,069			62,069
Infrastructure Replacement Fund		24,000,000		-	24,000,000			24,000,000
Cash Funded AMR/Meter Replacement		1,000,000		_	1.000.000			1,000,000
Equipment Replacement Fund		600,000		-	600,000			600,000
Property Tax Refund Fund		· <u>-</u>		-				~ ~ ~ ~ ~
Revenue Reserve Fund		1,384,284		(1,047,057)	337,226		_	337,226
Less: Reserve Funded from Monthly Billing		_		~	***			-
Total Capital	\$	29,496,353	\$	(1,047,057)	\$ 28,449,295	\$	-	\$ 28,449,295
Total Expenses	\$	71,777,645	\$	(2,815,980)	\$ 68,961,664	\$	**	\$ 68,961,664
Operating Reserve		692,142		319,537	1,011,679			1,011,679
Total Cost of Service	\$	72,469,786	\$	(2,496,443)	\$ 69,973,343	\$	-	\$ 69,973,343
Revenue Surplus/(Deficiency)	\$	(12,438,956)	\$	2,496,443	(\$9,942,513)	\$	9,943,926	\$1,413

Note:
(1) Amount per Providence Water includes a correction to filed rebuttal amount.

Summary of Division Adjustments to Rate Year Expenses Rate Year Ended December 31, 2014

Description	Amount		Source
Rate Year Salaries and Wages	\$	-	Schedule TSC-3
Payroll Clearing		_	Schedule TSC-4
Overhead Clearing		(1,257,383)	Schedule TSC-5
Benefits		-	Schedule TSC-6
Inflation			Schedule TSC-7
Bad Debt		-	Schedule TSC-8
Insurance		•••	Schedule TSC-9
Chemicals		-	Schedule TSC-10
Property Taxes		-	Schedule TSC-11
Unidirectional Flushing		-	Schedule TSC-12
Regulatory and Rate Case Expense		-	Schedule TSC-13
Miscellaneous Expenses		(79,847)	Schedule TSC-14
Incremental Monthly Billing		(431,693)	Schedule TSC-15
Operating Reserve		(727,520)	See Note (1)
Total Expense Adjustments	\$	(2,496,443)	

Note:

(1) Based on 2.0% of total expenses less miscellaneous revenues. Total is split with 0.5% going to restricted revenue reserve fund and 1.5% being unrestricted.

Adjustment to Salaries and Wages to Reflect Normal Employee Vacancies Rate Year Ended December 31, 2014

		Salary
Total FY 2013 Wages (1) Less: Wages for Engineers Paid directly from IFR Fund (1)	\$	13,587,511 (332,464)
FY 2013 Wage Expense per Books	\$	13,255,047
Plus Wages for Employees on Workers Compensation (1)		274,221
Total Salaries and Wages for Existing Employees	\$	13,529,268
Plus Wages for 3 New Employees (2)	\$	132,384
Adjusted FY 2013 Salaries and Wages	\$	13,661,652
Adjustment to Bring to Rate Year Level	•	1.04545
Rate Year Wages per Division	\$	14,282,574
Amount per Providence Water Rebuttal (4)	***************************************	14,282,574
Adjustment to Salaries and Wages	_\$	-

- (1) Per response to DIV 4-12.
- (2) Based on average wages for 19 vacant positions as of June 30, 2013.
- (3) Per Schedule HJS-S3. Reflects rate year effect of 3 % wage increases on July 1, 2013 and July 1, 2014.
- (4) Per Rebuttal Schedule HJS-S3.

Adjustment to Payroll Clearing Expense Rate Year Ended December 31, 2014

Payroll Clearing in Test Year (1)	\$ 798,115
Adjustment to Reflect Wage Increases (2)	 1.0455
Rate Year Payroll Clearing	\$ 834,389
Amount per Providence Water Rebuttal Filing	 834,389
Adjustment to Rate Year Expense	\$

- (1) Per Rebuttal Schedule HJS-S1.
- (2) Reflects 3 percent increase on July 1, 2013 and one-half of the annual effect of a 3% increase on July 1, 2014. Providence Water did not grant wage increases on July 1, 2012

Adjustment to Recognize Overheads Applied As Reimbusable from Capital Funds Rate Year Ended December 31, 2014

Overhead Clearing in Test Year (1)	\$ 1,202,719
Adjustment to Reflect Increase to Rate Year (2)	 1.0455
Rate Year Payroll Clearing	\$ 1,257,383
Amount per Providence Water	_
Adjustment to Rate Year Expense	\$ (1,257,383)

- (1) Per Schedule HJS-A1.
- (2) Based on increase in payroll clearing from test year to rate year per Schedule TSC-4.

Adjustment to Benefits Expense Rate Year Ended December 31, 2014

FRINGE BENEFIT	Test Year FY 2012 Adjustment			Adjustment	Rate Year CY 2014		
Union Combined Benefits (1)	\$	586,821	\$	-	\$	586,821	
Union Pension (1)		331,312		124,905		456,217	
Death Benefit Insurance (2)		1,943		91		2,034	
Educational Classes/Certification (2)		2,649		124		2,773	
FICA (3)		1,014,048		46,139		1,060,187	
State Unemployment Compensation (3)		14,716		670		15,386	
Healthcare EE Cash Payment (4)		9,500		(500)		9,000	
1/2% Wage Assignment (3)		35,820.00		1,630		37,450	
Blue Cross (4)		2,072,201		792,107		2,864,308	
Less Employee Co-Share (4)		(355,216)		(137,709)		(492,925)	
Delta Dental (4)		254,556		3,731		258,287	
GASB 43/45 Reserve Required (5)		1,230,000		(750,000)		480,000	
City Retirement (6)		2,315,228		629,981		2,945,209	
Total	\$ 7	7,513,577.79	\$	711,169	\$	8,224,746	
Amount per Providence Water Rebutal (Schedule HJS-	S6)			-	\$	8,224,746	
Adjustment				_	\$		

- (1) Amounts per DIV 1-18. Union Combined Benefits are not subject to increase. Union Pension increased by 37.7%.
- (2) Adjusted by Division inflation rate per Schedule TSC-7.
- (3) Reflects compounded salary increase of 4.55% per Schedule HJS-S6.
- (4) Reflects FY 2014 rates per Comm 1-11. Amounts have been adjusted to reflect 240 full time employees instead of 254 full time employees including 19 vacancies as of June 30, 2013.
- (5) Per Schedule HJS-S6A.
- (6) Per response to DIV 1-20.

Adjustment to Inflation Related Expense Increases Rate Year Ended December 31, 2014

	***************************************	Inflation Base (1)	Di	flation per vision (2) 4.695%	Prov	flation per v. Water (3) 4.695%	Adju	stment
Purchased Power Costs (4)								
Pumping	\$	778,684	\$	-	\$	-	\$	•••
Water Treatment		457,253		-		-		-
Transmission and Distribution		12,019		-		-		-
Administrative and General		113,972		_		_		_
Subtotal	\$	1,361,928	\$	-	\$		\$	**
Other Expenses								
Source of Supply		638,455		29,976		29,976		-
Pumping Expenses		11,629		546		546		-
Water Treatment		523,922		24,599		24,599		-
Transmission and Distribution		865,429		40,633		40,633		-
Customer Accounts (5)		208,639		9,796		9,796		-
Administrative and General		1,877,577		88,155		88,155		_
Subtotal	\$	4,125,651	\$	193,705	\$	193,705	\$	-
Total	\$	5,487,579	\$	193,705	\$	193,705	\$	

- (1) Amounts subject to inflation adjustment per Rebuttal Schedule HJS-S2.
- (2) Based on increase in Average GDP-PI for four quarters ending 2Q12 to four quarters ending 4Q14 per Blue Chip Economic Indicators dated August 10, 2013.
- (3) Per Rebuttal Schedule HJS-S2.
- (4) Refer to testimony for explanation regarding not inflating power supply costs.
- (5) Excludes Bad Debt which is treated separately on Schedule TSC-8.

Adjustment to Bad Debt Expense Rate Year Ended December 31, 2014

		Total
Bad Debt Expense (1)		
12 Months Ending 6/30/2010	\$	720,206
12 Months Ending 6/30/2011		(524,135)
12 Months Ending 6/30/2012		445,333
6 Months Ending 12/31/2012		(1,320,107)
Total	\$	(678,703)
Average Annual Expense (divide by 4)		(193,915)
Amount per Providence Water Rebuttal Filing (2)	#****	-
Adjustment to Bad Debt Expense (Eliminate Claimed Expense)	\$,

- (1) Per response to DIV 1-4 and Comm 1-28.
- (2) Per Rebuttal Schedule HJS-S2.

Adjustment to Insurance Expense Rate Year Ended December 31, 2014

	FY 2011 (1)	FY 2012 (2)	FY 2013 (3)	FY 2014/ CY 2014 (4)
Worker's Compensation Injuries and Damages Property and Casualty Program Expense Safety Supplies & Other	\$ 837,689 28,851 1,011,910 1,800 36,627	\$ 874,015 54,528 1,006,353 7,150 17,602	\$ 848,550 109,666 1,062,090 N/A N/A	\$ 693,532 64,348 1,018,753 7,486 18,428
Total Expenses (5)	\$ 1,916,877	\$ 1,959,648	\$ 2,020,306	\$ 1,802,547
Amount per Providence Water Rebuttal (2)				1,802,547
Adjustment to Insurance Expense				\$ -

- (1) Per response to DIV 1-13.
- (2) Per Rebuttal Schedule HJS-S5.
- (3) Per response to DIV 1-14.
- (4) Refer to testimony for explanation of development of costs.

Adjustment to Chemicals Expense Rate Year Ended December 31, 2014

		Actual		Greater of		
	Estimated Quantity (1)	FY 2012 Usage (2)	FY 2013 Usage (3)	FY 2012 or FY 2013	Rate Year Unit Price (4)	Annual Cost
Ferric Sulfate (Gallons)	1,460,000	1,136,679	870,563	1,136,679	\$ 1.4000	\$ 1,591,351
Quicklime (Tons)	3,139	2,834	2,322	2,834	214.1600	606,929
Chlorine (Tons)	200	173	194	194	800.0000	155,200
Flouide (Gallons)	70,000	56,903	50,681	56,903	2.5630	145,842
Carbon Dioxide (Tons) Total Treatment Chemical Costs	1,000	506	353	See Note (5)	-	\$ 2,499,322
Sludge Maintenance Costs						1,700,000
Total Chemical Costs and Sludge Handli	ng Costs					\$ 4,199,322
Incremental Restricted Fund Contribution to	Eliminate Shortfa	all (5)				300,000
Division Recommended Funding of Cher	nical and Sludge I	Maintenance Res	tricted Account	(Rounded)		\$ 4,500,000
Proposed Funding Contribution per Provide	nce Water Rebutt	al (Schedule HJS	S-S-8.)			\$ 4,500,000
Adjustment to Chemical and Sludge Mainte	nance Funding					\$ -

- (1) Per response DIV 1-27.
- (2) Per response to DIV 1-26.
- (3) Per resonse to DIV 4-10.
- (4) Per response to DIV 4-1.
- (5) Refer to testimony.

Adjustment to Reflect Updated Property Tax Expense Rate Year Ended December 31, 2014

Municipality	<u>F</u>	Actual Y 2011 (1)	E	Actual Y 2012 (1)	E	Actual Y 2013 (1)	E	Actual Y 2014 (2)	-	Estimated Y 2015 (3)	CY 2014 Average
Scituate Glocester		4,974,437 49,380		5,087,357 51,478		5,087,357 53,537		5,566,124 55,679		5,677,446 57,906	5,621,785 56,793
All Other North Providence West Glocester Fire Harmony Fire District Chepachet Fire District Johnston Foster Cranston West Warwick	\$	239,090 3,932 155 120 86,695 331,673 107,568 3,761	\$	266,581 3,708 164 131 90,117 331,673 110,523 3,761	\$	266,581 3,708 164 133 90,117 306,694 118,597 3,761	\$	268,137 3,708 171 138 94,907 307,901 120,152 3,682	\$	273,500 3,782 177 144 98,703 314,059 124,958 3,756	\$ 270,818 3,745 174 141 96,805 310,980 122,555 3,719
Subtotal-All Other	\$	772,994	\$	806,658	\$	789,755	\$	798,796	\$	819,079	\$ 808,938
Total Property Taxes	\$	5,796,811	\$	5,945,492	\$	5,930,648	\$	6,420,599	\$	6,554,432	\$ 6,487,515
Amount per Providence Water	r Rel	outtal (1)						6,608,270		6,872,599	 6,487,515
Adjustment to Property Tax Ex	kpen	se									\$ <u> </u>

- (1) Per Rebuttal Schedule HJS-S4A.
- (2) Per response to DIV 4-7 except Harmony and Chepachet Fire Districts which are increased by 4 percent over FY 2013.
- (3) Refer to testimony for derivation of FY 2015 amounts. Scituate is based on recent increases in the property tax rate. Glocester reflects the taxes due pursuant to the tax treaty with Providence Water. All other amounts escalated by 2% based on the overall average increase in taxes other than Scituate and Gloster in recent years. Refer to testimony.

Adjustment to Unidirectional Flushing Expense Rate Year Ended December 31, 2014

		Total
Field Operations-per Company Rebuttal (1)	\$	290,000
Field Operations-Revised Estimate (2)	***************************************	290,000
Adjustment to Unidirectional Flushing Costs	<u>\$</u>	-

- (1) Per Rebuttal Schedule HJS-S2.
- (2) Per response to DIV 1-30.

Adjustment to Rate Case and Regulatory Expense Rate Year Ended December 31, 2014

		Total
Docket 4062/Conservation Rate Filing (1)	\$	8,593
Field Operations-Revised Estimate (1)	***************************************	9,033
Adjustment to Remove Costs of Prior Proceedings (2)	_\$	

- (1) Per response to DIV 1-24.
- (2) Amounts have been removed in Providence Water's rebuttal filing.

Adjustment to Miscellaneous Expense Rate Year Ended December 31, 2014

	T	otal (1)	
Hazardous Waste Disposal and Containment-Triumvirate Environmental Air Quality Violation-R.I. Department of Environmental Management Customer Refund 1 Customer Refund 2 Software Conversion-Zandar Billing Software/Oracle Support-Adaptive Minds Appraisal Service-Sansoucy Legal Services/Strategic Plan-Partridge, Snow & Hahn Total	\$	28,000 - 23,333 24,933 76,266	Accepted Test Year Amount Eliminated by Prov. Water Eliminated by Prov. Water Eliminated by Prov. Water Accepted Test Year Amount Reflects 3 year Normalization Reflects allowance of \$45,000
Escalation Factor for Inflation (2)		1.04695	
Adjustment to Miscellaneous Expenses	\$	(79,847)	

- (1) Per response to Comm 1-33.
- (2) Per Schedule TSC-7. Amount in Providence Water reflected inflation factor of 6.376% which was adjusted to reflect Division inflation factor or 4.695% on Schedule TSC-7.

Adjustment to Eliminate Incremental Costs of Monthly Billing Rate Year Ended December 31, 2014

		Total (1)
Sr, Administrative Clerk Fringe Benefits Bill Processing Additional Lock Box Costs	\$	42,452 21,226 319,015 49,000
Total Incremental Costs Per Filing	\$	431,693
Amount per Settlement	***************************************	
Adjustment to Rate Year Expenses	_\$	(431,693)

Notes:

(1) Amounts per response to DIV 1-39.

Schedule JDM-19 Settlement Proposed Rates and Impacts

Proposed Rates and Impacts Rate Year Ending December 31, 2014

Billing Unit	Current Units of Service	Proposed Units of Service	Proposed Retail Service Charge	Retail Service Charge Revenues		Current Rates	% Change
Quarterly Service Charges							
5/8"	53,151	•	ı С Э	,	↔	18.34	
3/4"	10,645	•	· &	t	69	19.47	
	5,067	•	ı С	1	↔	22.85	
1.5"	1,493	1	, 63	ı	€9	27.39	
<u>"2"</u>	1,502	1	·	ı	↔	39.77	
: [†] n	93	1	· 69	1	69	131.15	
. 4	32	•	ı G	1	€9	164.98	
9,	59	1	, 6	ı	€9	243.95	
<u></u>	36	•	· •	ŧ	€9	334.19	
10"	2	1	1 69	ı	€9	415.97	
12"	_	1	·	1	↔	497.76	
Total	72,081		•	1			
Monthly Service Charges							
5/8"	_	53,152	\$ 7.89	5,032,431.36	€	10.82	-27.08%
3/4"	,	10,645	க	1,062,796.80	↔	11.19	-25.65%
-	ı	5,067	G	582,502.32	ω	12.32	-22.24%
1.5"	2	1,495	G	202,183.80	€÷	13.83	-18.51%
2".	34	1,536	မာ	293,253.12	€9	17.97	-11.46%
n."	13	106	49	63,727.20	ь	48.42	3.47%
"4	7	39	\$ 62.77	29,376.36	ፉ	59.70	5.14%
	17	9/		84,186.72	ፉን	86.02	7.31%
ω,	80	44		66,570.24	ક્ક	116.11	8.59%
10"	•	2	\$ 156.68	3,760.32	બ	143.37	9.28%
12"	•	2	\$ 187.28	4,494.72	ፉን	170.63	9.76%
Total	83	72,164	·	7,425,282.96			
Total Retail Service Charge Revenue	venue		•	7,425,282.96	ь	5,825,849	27.45%

Proposed Rates and Impacts Rate Year Ending December 31, 2014

Billing Unit	Current Units of Service	Proposed Units of Service	Proposed Fire Service Charge	Fire Ser Re	Fire Service Charge Revenues		Current Rates °	% Change
Quarterly Service Charges								
5/8"	25,266	•	, 49	€ Э		क	3.08	
3/4"	4,207	1	, e	€9	ı	69	4.62	
7=	1,998	•	· •	₩	•	\$	11.54	
1.5"	896	i	· ·	↔	•	↔	30.77	
2"	874	•	; \$	G		₩	73.86	
·**	28	•	·	€9	ŧ	49	200.04	
4	41	,	·	€9	•	↔	338.52	
6"	18	•	ı &	↔	ı	છ	692.43	
8"	∞	•	; \$	69		↔	1,046.34	
10"	~	1	ا ج	G	ı	ઝ	1,600.29	
12"	1	1	·	G	1	↔	2,646.63	
Total	33,340	t	r S	ક્ક	ı			
Monthly Service Charges								
2/8"	*	25,267	5 1.20	€	363,844.80	ь	1.03	16.50%
3/4"	•	4,207	1.80	s)	90,871.20	↔	1.54	16.88%
=	t	1,998	\$ 4.48	€9	107,412.48	ፉን	3.85	16.36%
1.5"	ı		\$ 11.95	€9	128,486.40	κ)	10.26	16.47%
2"	27	901		\$	309,871.92	ሪን	24.62	16.41%
3"	7		\$ 77.62	₩	64,269.36	↔	89.99	16.41%
4 *	5		\$ 131.35	↔	29,947.80	(S)	112.84	16.40%
6"	12	30 8	\$ 268.67	ь	96,721.20	ss	230.81	16.40%
8"	∞		\$ 405.99	(S)	77,950.08	ь	348.78	16.40%
10"	ı	~	\$ 620.93	s	7,451.16	↔	533.43	16.40%
12"	f	,	\$ 1,026.91	€	ı	ঞ	882.21	16.40%
Total	64	33,404		G	1,276,826.40			
Total Retail Fire Protection Service Charge Revenue	vice Charge Revenue		I	₩.	1,276,826.40	s	1,182,373.64	%8
Total Retail Service Charge Revenue	evenue		II.	\$	8,702,109.36	ss	7,008,222.28	24.17%

Schedule JDM-19 Settlement Proposed Rates and Impacts

Proposed Rates and Impacts		•		1 1				
		Rate	Proposed Kates and Impacts Rate Year Ending December 31, 2014	nber 31,	2014			
Retail Consumption Charges	8 517 538	4	020 8		26 148 809 87	€	2 488	%0E EC
Commercial (HCE)	4 427 015	y U		e 64	12 949 017 85	→ €	2.390	22.38%
Industrial (HCF)	189,644	7 €/3	\$ 2.872		544,658.18	↔	2.346	22.42%
Total	13,134,187			€9	39,642,485.90	8	32,217,079	23.05%
Wholesale Charges Volume Charge Consumption (HCF) Consumption (MG)	12,898,865 9,648	0, 0	\$ 1.294904 \$ 1,731.16	4 0	16,702,791.92	69	16,375,278	2.00%
Total Consumption Charge Revenue	evenue				56,345,277.82		48,592,356.99	15.96%
Private Fire Service Charges	Current Units of Service	sed Units of e	Proposed Monthly Pvt. Fire Charge		e Cha	Curren Pvt. Fi	Current Quarterly Pvt. Fire Charge	
3/4"	3	3	\$7.51			બ	19.67	
=	10	10	\$8.88	ന്	1,065.60	6 9 (23.31	
1-1/2"	(n	က	\$10.93	m,	393.48	⊌ > (28.70	
į,	50	20	\$16.21	(9,726.00	÷> €	42.63	
. 4 g	349	349	\$69.28 \$112.05	m 10	290,144.64 1 724 068 80	A) U	182.72	
တီ င	212,1	2,21.2 25.4	\$171 UZ		521 421 36	÷ €	443 93	
10."	t 7	4	\$238.31		11,438.88	भ	613.33	
12"	17	17	\$319.69	. ~	65,216.76	· 69	816.53	
16"	Ψ-	~	\$531.68	6	6,380.16	↔	1,340.64	
Total	1,963	1,963			2,630,126.04	↔	2,290,098	14.85%
		ā c	Proposed	Revenue	ue Current	Revenue		% Change
rubiic rire Service Criarges Hydrants	2,832	۷.	\$394.80		\$1,118,073.60 \$	339.33 \$	960,983	16.35%
Total Fire Protection Charge Revenue	Revenue				\$3,748,199.64		\$3,251,080.88	15.29%
Miscellaneous Revenues				↔	(1,179,169.01)	ь	(1,179,169.01)	
Total Rate Revenues					68,795,586.82		58,851,660.15	16.90%
Total Revenues				↔	69,974,755.83	ss.	60,030,829.16	16.56%

Schedule JDM-20 Settlement Comparison of Revenues by Customer Class

Comparison of Revenues by Customer Class

Rate Year Ending December 31, 2014

			Existing Rates	D	ranged Pates	9/ Changa
Retail		L	-xisting ivales		roposed Rates	% Change
	Monthly Service Charge	\$	5,825,849	\$	7,425,283	27.5%
	Periodic FPSC	\$	1,182,374	\$	1,276,826	8.0%
	Volume Charge		,	•	.,,	
	Residential	\$	21,191,609	\$	26,148,810	23.4%
	Commercial	\$	10,580,565	\$	12,949,018	22.4%
	Industrial	\$	444,905	\$	544,658	22.4%
Total Reta	ail	\$	39,225,301	\$	48,344,595	23.2%
Wholesal	e					
	East Providence	\$	2,604,138	\$	2,656,220	2.0%
	East Smithfield	\$	369,465	\$	376,854	2.0%
	Greenville	\$	550,307	\$	561,313	2.0%
	Kent County	\$	3,347,107	\$	3,414,049	2.0%
	Smithfield	\$	534,048	\$	544,729	2.0%
	Warwick	\$	5,409,798	\$	5,517,993	2.0%
	Lincoln	\$ \$	1,307,083	\$	1,333,225	2.0%
	Johnston		356,412	\$	363,540	2.0%
	Bristol County	\$	1,896,931	\$	1,934,869	2.0%
Total Who	olesale	\$	16,375,290	\$	16,702,792	2.0%
Fire Prote	ection					
	Private Fire Protection	\$	2,290,098	\$	2,630,126	14.8%
	Public Fire Protection	\$	960,983		\$1,118,074	16.3%
Total Fire	Protection	\$	3,251,081	\$	3,748,200	15.3%
Total Rat	e Revenues	\$	58,851,672	\$	68,795,587	16.9%
Miscellan	eous Revenues	\$	(1,179,169)	\$	(1,179,169)	
Total Rev	/enues	\$	60,030,841	\$	69,974,756	16.56%

Schedule JDM-21 Settlement Typical Bill Comparison

Comparison of Typical Annual Charges Rate Year Ending December 31, 2014

	Prog	Proposed Rates		Existing Rates	% Change
Kesidential - (5/8" Meter, 100 HCF) Service Charge*	↔	94.68	€	73.36	29.1%
Volume Charge	₩	307.00	မှာ	248.80	23.4%
Total	s	401.68	S	322.16	24.7%
Commercial - (2" Meter, 2,000 HCF) Service Charge*	↔	190.92	ь	159.08	20.0%
Volume Charge		5,850.00	↔	4,780.00	22.4%
Total	s	6,040.92	€9	4,939.08	22.3%
Industrial - (6" Meter, 10,000 HCF)					
Service Charge *	↔	1,107.72	↔	975.80	13.5%
Volume Charge	€	28,720.00	₩	23,460.00	22.4%
Total	€	29,827.72	€9	24,435.80	22.1%

*Existing rates based on Quarterly billing, proposed based on Monthly Billing, for Wholesale Impacts see JDM-20

Schedule JDM-22 Settlement Revenue Proof

Revenue Proof

Rate Year Ending December 31, 2014

Total Surplus / (Deficit)	\$	1,413
Total Revenues	\$	69,974,756
Miscellaneous Revenues	\$	1,179,169
Total Rate Revenues	\$	68,795,587
Total Fire Protection	\$	3,748,200
Private Fire Protection Public Fire Protection	\$ \$	2,630,126 1,118,074
Fire Protection	Ψ	10,702,792
Total Wholesale	\$	16,702,792
Bristol County	\$ \$	363,540 1,934,869
Lincoln Johnston	\$ \$	1,333,225
Warwick	\$	5,517,993
Smithfield	\$	544,729
Kent County	\$	3,414,049
Greenville	\$	561,313
East Smithfield	\$	376,854
Wholesale East Providence	\$	2,656,220
Total Retail	\$	48,344,595
Industrial	\$	544,658
Commercial	\$ \$ \$	12,949,018
Volume Charge Residential	\$	26,148,810
Retail FPSC	\$	1,276,826
Retail Monthly Service Charge	\$	7,425,283
Net Revenue Requirement	\$	69,973,343
plus: Net Operating Revenue		\$1,348,905.38
Total Expenses Allocated	\$	68,624,438
Property Taxes Expense	\$	6,487,515
City Services Expense	\$ \$ \$	839,167
Net Operations & Maintenance Expense Capital Expense	\$ •	33,185,687 28,112,069
Not Operations 9 Maintenance Evenence	¢.	22 405 607

Note: Surplus due rounding

PROVIDENCE WATER SUPPLY BOARD TARIFF

Replaces Tariff April 27, 2010 & November 01, 2011

Effective: January 1, 2014

RI Public Utilities Commission Docket No. 4406

TARIFF SCHEDULES

Schedule	
A	Service Charges – Retail
В	Metered Sales – Retail
С	Bulk Sales to Public Authorities for Resale
D	Public Fire Protection
E	Private Fire Service
F	Miscellaneous Charges

SCHEDULE A

Providence Water Supply Board Service Charges Retail

Rhode Island Public Utilities Commission Docket No. 4406

Effective: January 1, 2014

Applicability

Applicable to all metered customers for industrial, commercial and residential use, exclusive of fire service connection, in the Providence Water Supply Board service area.

Rates

For each service connected to the Providence Water Supply Board mains, the following customer service charges shall apply:

Size of Meter	<u>Monthly</u>
5/8"	\$ 7.89
3/4	8.32
1	9.58
1 1/2	11.27
2	15.91
3	50.10
4	62.77
6	92.31
8	126.08
10	156.68
12	187.28

However, for each Providence Water service connected in the City of Providence the following additional Fire Protection service charge shall apply to Providence ratepayers:

Size of Meter	<u>Monthly</u>
5/8"	\$ 1.20
3/4	1.80
1	4.48
1 1/2	11.95
2	28.66
3	77.62
4	131.35
6	268.67
8	405.99
10	620.93
12	1,026.91

Terms of Payment

All customer service charges are billed monthly and are due and payable when rendered. Interest at a rate of 1% per month will be charged on unpaid account balances over 30 days from due date.

SCHEDULE B

Providence Water Supply Board Metered Sales Retail

Rhode Island Public Utilities Commission Docket No. 4406

Effective: January 1, 2014

Applicability

Applicable to all general metered water service in the Providence Water Supply Board service area.

Rates

For all quantities used, except for bulk sales to public authorities for resale, the following rates per HCF shall apply:

Monthly Accounts

Residential	\$3.070
Commercial	\$2.925
Industrial	\$2.872

Terms of Payment

All metered sales bills are rendered in arrears monthly and are due and payable in full when rendered.

Interest at a rate of 1% per month will be charged on unpaid account balances over 30 days from due date.

SCHEDULE C

Providence Water Supply Board Bulk Sales to Public Authorities for Resale

Rhode Island Public Utilities Commission Docket No. 4406

Effective: January 1, 2014

Applicability

Applicable to all public authorities in the Providence Water Supply Board service area purchasing water for resale.

Rates-Volume Charge

\$1,731.16 per million gallons, or \$1.294904 per HCF

Terms of Payment

All bills for bulk sales are rendered monthly in arrears and are due and payable in full when rendered.

Interest at a rate of 1% per month will be charged on unpaid account balances over 30 days from due date

SCHEDULE D

Providence Water Supply Board Public Fire Protection

Rhode Island Public Utilities Commission Docket No. 4406

Effective: January 1, 2014

Applicability

Applicable to all service to public fire hydrants in the Providence Water Supply Board service area.

Rates

For each hydrant: \$394.80

For each hydrant in Providence, as allowed by statute: \$0

Terms of Payment

All bills for public fire service are rendered quarterly and are due and payable in full when rendered.

Interest at a rate of 1% per month will be charged on unpaid account balances over 30 days from due date.

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SCHEDULE E

Providence Water Supply Board Private Fire Service

Rhode Island Public Utilities Commission Docket No. 4406

Effective: January 1, 2014

Applicability

Applicable for service to private fire protection appliances owned and maintained by the customer in the Providence Water Supply service area.

Rates

For each fire service connection to the Providence Water Supply Board mains, the following charges shall apply:

Size of Service	<u>Monthly</u>
3/4"	\$ 7.51
1	8.88
1 1/2	10.93
2	16.21
4	69.28
6.	112.95
8	171.07
10	238.31
12	319.69
16	531.68

Terms of Payment

All bills for private fire services are rendered monthly and are due and payable in full when rendered.

Interest at a rate of 1% per month will be charged on unpaid account balances over 30 days from due date.

SCHEDULE F PROVIDENCE WATER TERMS & CONDITIONS SERVICE FEE SCHEDULE (effective January 1, 2014) page 1 of 2

NOTE: All applicants must complete financial arrangements prior to services being rendered. Applicants are responsible for obtaining and paying for all permits and any additional fees.

SERVICE	FEE
PHOTOCOPYING	
Distribution Sheet	\$ 3.00/copy
Letter or Legal Size Document	\$.15/copy
LIEN CERTIFICATE	\$ 6.00
RETURNED CHECK FEE	\$ 20.00
PLAN CHECKING/WATER AVAILABILITY REVIEW	\$ 57.00/hour
EASEMENT/ABANDONMENT REQUEST	\$ 50.00/hour
FIRE HYDRANT FLOW TEST	\$ 118.00
NEW WATER SERVICE INSTALLATION - BASIC	
1" Water Service	\$1,673.00
1 ½" Water Service	2,596.00
2" Water Service	2,931.00
4" Water Service	3,700.00
6" Water Service	3,998.00

NEW WATER SERVICE INSTALLATION - SPECIAL CIRCUMSTANCES

All services greater than 6" will be installed and charged on a time and materials basis, consistent with the methodology used in computing the above schedule, any sites where special circumstances may be encountered (ie. ledge, special fittings, routing around other utilities) will also be charged on a time and materials basis. The average time rate for all manpower and equipment (including overhead) averages approximately \$400/hr.

PAVEMENT/SIDEWALK RESTORATION CHARGES

Applicants are responsible for all *actual* road and/or sidewalk restoration charges, as the charge varies with the size of the excavation and the pavement thickness. For illustrative purposes, on average, the charge is approximately \$300 for payment restoration and \$75 for sidewalk.

SCHEDULE F PROVIDENCE WATER TERMS & CONDITIONS SERVICE FEE SCHEDULE (effective January 1, 2014) page 2 of 2

SERVICE	FEE

POLICE DETAILS

If the work being performed presents a safety hazard and it is necessary to employ police details for traffic control, the applicant will be responsible for such costs at the then current rate of the respective Town or City. For illustrative purposes, the hourly detail rates as of February 20, 2013 are as follows:

Cranston	\$40.55
Johnston	44.36
North Providence	41.62
Providence	52.89

NEW WATER METER INSTALLATION - INCLUDING ERT

5/8" Meter	\$ 184.00
3/4" Meter	230.00
1" Meter	266.00
1 ½" Meter	457.00
2" Meter	545.00

All meters greater than 2" will be charged on an actual time and materials basis.

NEW ERT - ALL METER SIZES

\$ 109.00

(Applies only to existing ERT's that are lost, stolen, or damaged by customers. There is no charge to retro-fit an existing meter to AMR technology.)

SERVICE SHUTOFF FEE	\$ 64.00

SERVICE RESTORATION FEE	\$.	43.	.00	0
-------------------------	------	-----	-----	---

SPECIAL REQUESTS FOR SERVICES NOT	Billed at actual
LISTED ABOVE THAT DO NOT BENEFIT	Cost plus overhead
ALL CUSTOMERS	Rates in effect