

City of Newport Department of Utilities



THE CITY OF NEWPORT, UTILITIES DEPARTMENT, WATER DIVISION

TARIFF ADVICE FILING AND PETITION FOR RELIEF

BEFORE THE

RHODE ISLAND PUBLIC UTILITIES COMMISSION

March 4, 2014

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

**IN RE: CITY OF NEWPORT, UTILITIES DEPARTMENT, WATER DIVISION
TARIFF ADVICE FILING AND PETITION FOR RELIEF
MARCH 4, 2014**

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EXHIBIT 1

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March 4, 2014

The Honorable Margaret E. Curran, Chairperson
State of Rhode Island
Public Utilities Commission
89 Jefferson Boulevard
Warwick, RI 02888

***RE: City of Newport, Utilities Department, Water Division
Tariff Advice Filing and Petition For Relief***

Dear Chairperson Curran:

Enclosed herewith please find an original and nine (9) copies of a Tariff Advice Filing and Petition For Relief filed by the City of Newport, Utilities Department, Water Division ("Newport Water") pursuant to Rules 1.9 and 1.10 of the Rhode Island Public Utilities Commission's Rules of Practice and Procedure. This filing proposes to change Schedule C of Newport Water's current tariffs.

This filing includes pre-filed testimony, existing and proposed tariffs and a proposed public notice. Please note that the proposed notice is a joint notice of both this filing and Newport Water's Multi-Year Rate Plan Compliance Filing And Notice Of Change In Rates Pursuant To R.I.G.L. § 39-15.1-4 in Docket 4243, which has been filed simultaneously on this date. I would respectfully ask that your staff immediately review the proposed notice so that it can be published as soon as possible.

Also, please note that an electronic copy of this filing has been provided to the service list from Newport Water's most recent rate filing, Docket 4355, and a hard copy has also been mailed to the Rhode Island Attorney General's Office.

The following individuals should receive all correspondence related to this matter: Julia Forgue, P.E., City of Newport, Director of Public Works, 70 Halsey Street, Newport, Rhode

Island 02840; and Joseph A. Keough, Jr., Esquire, Keough & Sweeney, 41 Mendon Avenue, Pawtucket, Rhode Island 02861. Joseph A. Keough, Jr. will act as legal counsel for Newport Water and will represent the utility in all matters concerning this filing.

Thank you for your attention to these matters.

Sincerely,

A handwritten signature in black ink, appearing to read "J. Keough, Jr.", written in a cursive style.

Joseph A. Keough, Jr.

EXHIBIT 2

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

IN RE: CITY OF NEWPORT, UTILITIES DEPARTMENT, WATER DIVISION

DOCKET NO. 4243

TARIFF ADVICE AND PETITION FOR RELIEF

NOW COMES the City of Newport, Utilities Department, Water Division (“Newport Water” or “Newport”) and hereby submits this Tariff Advice And Petition For Relief pursuant to Rules 1.9 and 1.10 of the Rules of Practice and Procedure for the Rhode Island Public Utilities Commission (“Commission”). In support thereof, Newport Water states as follows:

1. Newport Water’s current tariffs were approved by the Commission in 2013 at the conclusion of Docket 4355.
2. Schedule C of Newport’s tariffs allow it to bill its customers either monthly or quarterly.
3. When Newport’s tariffs were approved in Docket 4355, it only billed 816 of its approximate 14,546 customers on a monthly basis.
4. Thus, Newport’s tariffs were designed to recover \$123,387 from monthly customers and \$654,969 from quarterly customers for a total of \$778,355.
5. Newport Water now plans to bill all its customers on a monthly basis.
6. If Newport collected the current monthly base charges in its tariffs from all 14,546 of its customers, it would collect \$1,456,356 in base charge revenue.
7. As a result, Newport needs to revise its tariffs and reduce its monthly base charge to collect the same amount of base charge revenue previously authorized by the Commission in Docket 4355.
8. Newport incorporates by reference the revised tariffs submitted in this filing.

Wherefore, the City of Newport, Utilities Department, Water Division, respectfully requests that the Rhode Island Public Utilities Commission grant the relief requested and allow Newport to amend Schedule C of its tariffs as requested, and all other relief the Commission deems meet and just.

The City Of Newport, Utilities Department,
Water Division
By its attorney,



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CERTIFICATION

I hereby certify that on March 4, 2014, I sent a copy of the within to all parties set forth on the attached Service List from Docket 4355 by electronic mail and copies to the Rhode Island Attorney General’s Office and Luly Massaro, Commission Clerk, by electronic mail and regular mail.

Parties/Address	E-mail Distribution	Phone
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An original and nine (9) copies w/: Luly E. Massaro, Commission Clerk Public Utilities Commission 89 Jefferson Blvd. Warwick, RI 02888	lmassaro@puc.state.ri.us	401-780-2107
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EXHIBIT 3

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

IN RE: CITY OF NEWPORT, UTILITIES DEPARTMENT, WATER DIVISION

DOCKET NUMBERS: 4243 & ?

NOTICE OF COMPLIANCE FILING, PROPOSED TARIFF CHANGE AND CHANGE IN RATE SCHEDULES

The City of Newport, Utilities Department, Water Division (“Newport”), hereby gives notice that on March 4, 2014 it filed a Multi-Year Rate Plan Compliance Filing And Notice Of Change In Rates Pursuant To R.I.G.L. § 39-15.1-4 (Docket 4243) and a Proposed Tariff Change and Miscellaneous Petition For Relief (Docket ?) with the Rhode Island Public Utilities Commission (“Commission”).

In its Multi-Year Rate Plan Compliance Filing And Notice Of Change In Rates Pursuant To R.I.G.L. § 39-15.1-4, Newport seeks to increase its revenues from rates in the amount of \$3,075,984 to support increased debt service for the design and construction of a new Lawton Valley Water Treatment Plant and improvements to the Station One Water Treatment Facility. The proposed revenue increase is the third and final phase of the multi-year increase granted by the Commission in Docket 4243.

In its Proposed Tariff Change and Miscellaneous Petition For Relief, Newport seeks to reduce the monthly base charges in Schedule C of its existing Tariffs. This proposed Tariff Change is made in conjunction with Newport’s proposal to begin billing all customers on a monthly basis beginning July 1, 2014.

The combined impact of Newport’s requests will vary based on customer classification. For a typical residential customer, who uses 60,000 gallons of water per year, the impact of these requests will result in an increase of \$119.60 per year or 22.1%. The impact on all other customers will vary based on customer class. Please note that while Newport is requesting this revenue increase and change in rates, the Commission, after full investigation and hearings, may order a different revenue requirement and rates.

While the new rates are proposed to become effective July 1, 2014, the Commission can hold a hearing on the proposed rate increase and tariff change and may approve, or reasonably amend, Newport’s proposals. No rate change will take effect until the Commission has conducted a full investigation and hearing on Newport’s proposals. The Commission will publish a notice of any hearing dates when they are scheduled.

Copies of Newport’s filings are on file for examination at Newport Water’s office and at the offices of the Public Utilities Commission, 89 Jefferson Boulevard, Warwick, Rhode Island. Copies of the filings were also provided to the Rhode Island Attorney General’s Department, Consumer Division.

City of Newport, Utilities Department, Water Division
70 Halsey Street
Newport, RI 02840

EXHIBIT 4

City of Newport Department of Utilities



PREFILED TESTIMONY

OF

**JULIA FORGUE, P.E.
DIRECTOR OF UTILITIES, CITY OF NEWPORT**

IN SUPPORT OF

**THE CITY OF NEWPORT, UTILITIES DEPARTMENT, WATER DIVISION'S
TARIFF ADVICE FILING AND PETITION FOR RELIEF**

BEFORE THE

RHODE ISLAND PUBLIC UTILITIES COMMISSION

March 4, 2014

1 **I. INTRODUCTION**

2 **Q. Please provide your full name, title and business address for the record.**

3 A. Julia Forgue, P.E. I am employed by the City of Newport where I serve as Director of
4 Utilities. My business address is 70 Halsey Street, Newport, RI.

5

6 **Q. How long have you held this position?**

7 A. I began my employment with the City of Newport on March 12, 2001 as Director of
8 Public Works. While Director of Public Works, I also served as the General Manager of
9 the Water Division. The City of Newport finalized a reorganization of City Departments
10 in December 2007, and I am now the Director of Utilities.

11

12 **Q. What responsibilities do you have as Director of Utilities with regard to the**
13 **Newport Water System?**

14 A. I serve as general manager of the water and water pollution control divisions. I plan,
15 organize and direct the Water Division's activities. I direct and oversee the work of
16 supervisors on administrative and technical issues conforming to a policy framework
17 established by the City as well as State and Federal agencies.

18

19 **Q. Can you provide a brief description of your work experience?**

20 A. Prior to working for the City of Newport, I was employed by the City of East
21 Providence, Rhode Island for fourteen years. In the last eleven years I managed the
22 water division as Director of Public Works. The City of East Providence purchases water
23 wholesale from Providence Water and operates and maintains its own transmission and
24 distribution system with approximately 15,000 services. Before working for the City of
25 East Providence, I was a project engineer at consulting firms in Colorado and New
26 Hampshire.

1 **Q. What is your educational background?**

2 A. I received a B.S. in Civil Engineering from Northeastern University in 1981 and a M.S.
3 in Civil Engineering from the University of Colorado at Boulder in 1982. I am a registered
4 Professional Engineer in Rhode Island and New Hampshire.

5

6 **Q. Do you have any professional affiliations?**

7 A. Yes, I am a member of the American Water Works Association, New England
8 Waterworks Association and the Rhode Island Waterworks Association. I served as
9 President of the RIWWA from December 2001 to December 2003. I am also a member
10 of the Water Environment Association.

11

12 **II. RELIEF REQUESTED**

13 **Q Please describe your role in this proceeding?**

14 A. To support Newport Water's Tariff Advice Filing and Petition For Relief.

15

16 **Q. Please provide an overview of why Newport filed its Tariff Advice Filing and
17 Petition For Relief?**

18 A. Newport seeks to change its current tariffs and reduce its monthly base charges set
19 forth in Schedule C of its tariffs.

20

21 **Q. Why does Newport want to reduce these monthly base charges?**

22 A. Because Newport plans to begin billing all of its customers monthly.

23

24 **Q. Do Newport's current tariffs allow it to bill its customers monthly?**

25 A. Yes, they do.

26

1 **Q. If Newport's current tariffs allow it to bill monthly, why does it need to reduce the**
2 **monthly base charges?**

3 A. Because Newport would reap a windfall if it billed all its customers monthly at the
4 current rates established in its tariffs. When the Commission approved Newport's
5 current tariffs in Docket 4355, Newport only billed 816 customers monthly. Thus,
6 Newport's tariffs were designed to recover \$123,387 from monthly customers and
7 \$654,969 from quarterly customers for a total of \$778,355. If Newport collected the
8 current monthly base charges in its tariffs from all 14,546 of its customers, it would
9 collect \$1,456,356 in base charge revenue. As a result, Newport needs to reduce its
10 monthly base charge to collect the same amount of base charge revenue previously
11 authorized by the Commission. Please see Harold Smith's testimony for more detail on
12 the proposed reduced charge.

13

14 **Q. Why does Newport want to move to monthly billing for all its customers?**

15 A. The Commission will recall that in 2008 Newport began installing radio read meters
16 for its customers. Newport substantially completed this project in 2013 and can now bill
17 its customers monthly (there are less than 100 accounts not converted for various
18 reasons such as terminated service to the property, and we will eventually install
19 monthly meters at these properties). As the Commission knows, many regulated water
20 and wastewater utilities in Rhode Island have recently moved to monthly billing (i.e. the
21 Narragansett Bay Commission, the Pawtucket Water Supply Board, and the Providence
22 Water Supply Board). Newport believes this move to monthly billing benefits customers.

23

24 First, most customers receive monthly bills for their other utilities (i.e. electric, gas,
25 phone, cable, etc.) Billing monthly means customers receive smaller bills rather than
26 large quarterly bills. This allows customers to budget payments more easily.

27 Furthermore, monthly billing improves leak detection since customers can identify high

1 consumption monthly rather than quarterly. Customers can catch leaks in one to two
2 months rather than waiting for a large quarterly bill to discover a problem. This benefits
3 customers who can repair leaks before receiving an abnormally high quarterly water bill.
4 In addition, customers can examine high usage for things such as irrigation sooner and
5 use water more wisely. This will assist our customers with conservation.

6

7 **Q. Is Newport asking for any increased revenues to cover the cost of converting to**
8 **monthly billing?**

9 A. No we are not.

10

11 **Q. What is the cost of converting to monthly billing and how will Newport cover these**
12 **costs without increased revenues?**

13 A. The annual increase to convert to monthly billing will be approximately \$51,940.65 as
14 follows; a postage cost increase of \$38,103.20, and printing / mailing cost increase of
15 \$13,837.45. We will be able to find savings to account for these increased costs without
16 seeking a rate increase.

17

18 **III. CONCLUSION**

19 **Q. Does this conclude your testimony?**

20 A. Yes it does.

EXHIBIT 5

PREFILED TESTIMONY

OF

**HAROLD J. SMITH
RAFTELIS FINANCIAL CONSULTING, INC.**

IN SUPPORT OF

**THE CITY OF NEWPORT, UTILITIES DEPARTMENT, WATER DIVISION'S
TARIFF ADVICE FILING AND PETITION FOR RELIEF**

BEFORE THE

RHODE ISLAND PUBLIC UTILITIES COMMISSION

MARCH 4, 2014



1 **I. INTRODUCTION**

2 **Q. Please state your name and business address.**

3 A. My name is Harold J. Smith and my business address is 1031 South Caldwell
4 Street, Charlotte, North Carolina 28203.

5

6 **Q. By whom are you employed and in what capacity?**

7 A. I am a Vice President of Raftelis Financial Consultants, Inc. (RFC), a
8 consulting firm specializing in water and wastewater finance and pricing. RFC
9 was established in 1993 in Charlotte, North Carolina, by George A. Raftelis to
10 provide environmental and management consulting services to public and private
11 sector clients. RFC is a national leader in the development of water and
12 wastewater rates that satisfy local government objectives.

13

14 **Q. Please describe your educational background and work experience.**

15 A. I obtained a Master of Business Administration from Wake Forest University
16 in 1997, and a Bachelor of Science in Natural Resources from the University of
17 the South in 1987. As an employee of Raftelis Financial Consulting, I have been
18 involved in numerous projects for public utilities including a number of studies
19 involving transitions to new rate structures designed to address specific pricing
20 objectives. I have also served on engagements involving a wide range of
21 technical specialties including:

- 22 • Utility Cost of Service and Rate Structure Studies
- 23 • Privatization Feasibility Studies
- 24 • Privatization Procurements
- 25 • Utility Financial Planning Studies
- 26 • Municipal Financial Planning Studies

27

28

1 **Q. Have you previously testified before any regulatory agencies or in court**
2 **on utility rate related matters?**

3 A. Yes. I provided testimony for the City of Newport, Utilities Department,
4 Water Division (“Newport Water” or “Newport”) in seven rate filings before the
5 Rhode Island Public Utilities Commission (“Commission”) in Dockets 3578,
6 3675, 3818, 4025, 4128, 4243 and 4355. I also provided testimony in the
7 Providence Water Supply Board’s most recent rate filings (Docket Nos. 3832,
8 4061, 4070 and 4406). I have also testified on behalf of the Consumer
9 Advocate before the Nova Scotia Utility and Review Board (W-HRWC-R-10)
10 and on behalf of the Industry Group before the Indiana Utility Regulatory
11 Commission in Cause No. 44305.

12

13 **Q. Do you belong to any professional organizations or committees?**

14 A. Yes. I am a member of the American Water Works Association where I am
15 the past chairman of the Strategic Management Practices Committee, and I am a
16 member of the Financial Management Committee of the New England Water
17 Works Association.

18

19 **Q. What is the purpose of your testimony?**

20 A. To support Newport Water’s Tariff Advice Filing and Petition For Relief.

21

22 **II. TARIFF ADVICE FILING AND PETITION FOR RELIEF**

23 **Q. Please provide an overview of why Newport filed its Tariff Advice Filing**
24 **Petition For Relief?**

25 A. Newport Water’s current Tariffs allow it to bill its customers monthly. However,
26 Newport Water currently only bills 816 (5.6%) of its approximately 14,500 retail
27 and wholesale accounts on a monthly basis. Newport now plans to bill all its
28 customers monthly. In conjunction with this move to monthly billing, Newport

1 needs to lower its monthly base charges so it doesn't recover more revenue than
2 it was allowed in its last rate filing.

3

4 **Q. Why does Newport need to lower its monthly base charges?**

5 A. The monthly base charges currently in effect were calculated based on the
6 number of accounts Newport Water billed monthly at the time of its last rate filing
7 (Docket 4355). At that time, Newport only billed 816 customers monthly. Thus,
8 the monthly base charges were designed to recover \$123,387 from these
9 customers and \$654,969 from quarterly customers for a total of \$778,355. If
10 Newport collected the current monthly charges in its Tariffs from all 14,546 of its
11 customers, it would collect \$1,456,356 in base charge revenue. As a result,
12 Newport needs to reduce its monthly base charges to collect the same amount of
13 base charge revenue previously authorized by the Commission. The base charge
14 changes are set forth in the revised Schedule C from Newport's Current Tariffs
15 included in Newport's filing.

16

17 **Q. How were the proposed monthly Base Charges determined?**

18 A. The proposed monthly Base Charges were calculated using the cost of
19 service model approved in Docket 4355.

20

21 **Q. Did you prepare a revised cost of service model?**

22 A. Yes, I attached the revised cost of service model from Docket 4355, which
23 contains two significant adjustments:

24

25 1. It shows the elimination of quarterly billing charges and the reduction in
26 the monthly billing charges referenced above.

27

1 2. It includes the revenue increase Newport requested in its Multi-Year Rate
2 Plan Compliance Filing And Notice Of Change In Rates Pursuant To
3 R.I.G.L. § 39-15.1-4 (“Compliance Filing”), which was submitted
4 simultaneously with the Tariff Advice And Petition For Relief. In the
5 Compliance Filing, Newport requests a revenue increase of \$3,075,984 as
6 the final phase of the multi-year rate increase approved by the
7 Commission in Docket 4243. (Please see my testimony in support of the
8 Compliance Filing for more details on the revenue increase request).

9

10 In addition, to show the Commission the impact of the move to complete monthly
11 billing *without* the revenue increase requested in Newport’s Compliance Filing, I
12 also included Schedule E-2, which shows the impact of Newport’s proposed
13 move to monthly billing *without* the revenue increase and the impact of the move
14 to monthly billing *with* the revenue increase.

15

16 **Q. When does Newport seek to effectuate this tariff revision?**

17 A. Newport seeks to change its tariffs effective July 1, 2014, which will coincide
18 with the change in rates Newport seeks in its Compliance Filing. This will
19 eliminate multiple rate changes and customer confusion.

20

21 **III. CONTENT OF SCHEDULES**

22 **Q. Please provide a brief description of your schedules.**

23 A. The schedules filed with my testimony are divided into three groups:
24 Summary Schedules (HJS Schedules A-1 through A-4); COS Model Schedules
25 (HJS Schedules B-1 through B-11), Support Schedules (D-1 through D-5) and
26 Supplemental Schedules (E-1 through E-2).

27

28

1 **Summary Schedules**

2 **HJS Schedule A1- Revenue Requirements:** Summarizes Newport Water's
3 revenue requirements approved in Docket 4355 and shows the proposed rate
4 year revenue requirements. The only difference between the amounts approved
5 in Docket 4355 and the proposed rate year is increase in debt service Newport
6 seeks in its Compliance Filing.

7

8 **HJS Schedule A-2 - Proposed Rates and Charges:** Summary of the proposed
9 cost of service based rates and a comparison with the existing rates. This
10 schedule also shows the projected revenues from each charge. Note that the
11 Quarterly Base Charges have been eliminated.

12

13 **HJS Schedule A-3 – Bill Impacts:** This schedule compares typical annual
14 customer bills from each customer class under the current rates and proposed
15 rates.

16

17 **HJS Schedule A-4 – Revenue Proof:** This schedule shows the revenue that is
18 projected to be generated from the projected consumption, number of bills, and
19 fire protection accounts based on proposed rates and charges and compares this
20 revenue to the Rate Year revenue requirements to demonstrate that the
21 proposed rates generate enough revenue to meet the revenue requirements.

22

23 **COS Model Schedules**

24 **HJS Schedule B-1 – Base Extra Capacity Cost Allocations:** This schedule
25 demonstrates the assignment of Newport Water's revenue requirements to
26 Base/Extra Capacity cost categories.

27

1 HJS Schedule B-2 – Allocation of Costs to Water Rate Classes: This schedule
2 shows the allocation of costs from the Base/Extra Capacity cost categories to
3 each customer class and the Base Charge based on the percentages developed
4 in HJS Schedule B-9.

5

6 HJS Schedule B-3 – Cost Allocation Bases: This schedule displays the allocation
7 factors used to assign costs to Base/Extra Capacity cost categories.

8

9 HJS Schedule B-4 – Allocation Analyses: This schedule shows the analyses
10 performed to develop some of the allocation factors shown on HJS Schedule B-
11 3.

12

13 HJS Schedule B-5 – Capital Functionalization: This schedule assigns the two
14 components of Newport Water's Rate Year capital costs, Debt Service and the
15 contribution to the Capital Spending restricted account, to functional categories
16 based on the breakdown of the utility's existing fixed assets. This allows for the
17 assignment of these costs to the appropriate Base/Extra Capacity cost
18 categories.

19

20 HJS Schedule B-6 – Water Demand History: This schedule shows the water
21 demand history by customer class for fiscal years (FY) 2000 through 2009. It
22 also shows the projected Rate Year demand approved in Docket No. 4025 and
23 the 3 year average consumption over the period beginning with FY 2007 and
24 ending with FY 2009.

25

26 HJS Schedule B-7 – Water Production Peaking Analysis: This schedule
27 demonstrates the development of system peaking factors based on historical
28 treatment plant production data.

1 HJS Schedule B-8 – Billed Demand Peaking Analysis: Determination of
2 Customer Class Peaking Factors: This schedule demonstrates the development
3 of customer class peaking factors based on historical billing records and the
4 results of the daily meter reading performed on a sample of Newport Water’s
5 customers. The electronic version of this schedule allows for the use of different
6 data sources in the development of the customer class peaking factors.

7

8 HJS Schedule B-9 – System Demands Imposed by Each Customer Class’
9 Peaking Behavior: This schedule demonstrates the peak demands, both Max
10 Day and Max Hour, that each customer class places on the system. The
11 percentages developed in this schedule are used in HJS Schedule B-2 to
12 allocate costs from the Base/Extra Capacity cost components to each customer
13 class based on the demands that each class places on the system. This
14 schedule also demonstrates how each class’ demands are adjusted to account
15 for unaccounted for water that is produced at the treatment plants, but is not sold
16 to customers.

17

18 HJS Schedule B-10 – Summary of Peak Load Distributions: This schedule shows
19 each rate class’ share of system peaks and the Base/Extra Capacity distribution
20 of system peaks. The percentages derived in these schedules are used to
21 develop the allocation factors shown in HJS Schedule B-3 that are used to
22 assign revenue requirements to each Base/Extra Capacity cost category.

23

24 HJS Schedule B-11 – Fire Protection Demand Analysis: This schedule
25 demonstrates the implied demands that the fire protection system places on the
26 system.

27

28

1 **Support Schedules**

2 **HJS Schedule D-1 – Water Accounts, by Size and Class:** This schedule shows
3 the number of Newport Water’s customer accounts by customer class and meter
4 size. Note that this schedule reflects that all accounts will be billed monthly going
5 forward.

6
7 **HJS Schedule D-2 – Fire Protection Accounts:** This schedule shows the number
8 of fire hydrants in the Newport Water service area and the number and
9 connection size of Newport Water’s fire protection accounts.

10
11 **HJS Schedule D-3 – Production Summary:** This schedule provides a summary
12 of water plant production data for the past three fiscal years.

13
14 **HJS Schedule D-4 – Demand Summary:** This schedule provides a summary of
15 system demand patterns over the past three fiscal years and also shows the
16 calculation of Newport Water’s unaccounted for water percentage.

17
18 **HJS Schedule D-5 – Development of Pumping Costs:** This schedule shows the
19 build up of costs associated with the operation and maintenance of pumps used
20 to pump treated water at the two water treatment facilities. These costs are
21 allocated differently than the other treatment plant costs so must be identified
22 separately.

23
24 **HJS Schedule D-6 – Analyses of Debt Service Restricted Account and Cashflow:**
25 This schedule shows the actual monthly contributions and deductions to and
26 from the Debt Service restricted account through December of FY 2014 and the
27 projected contributions and deductions for January 2014 through June of FY
28 2022.

1 HJS Schedule D-7 – Development of Demand Factors: This schedule
2 demonstrates how data from the daily demand study is used to develop the class
3 demand factors that are used in the COS Model.

4

5 **Supplemental Schedules:**

6 HJS Schedule E-1 – Comparison of Impacts With and Without Full Monthly
7 Billing: This schedule shows the impact of Newport’s proposed revenue increase
8 being sought in the Compliance Filing for Docket 4243 without a move to monthly
9 billing and the impact of the revenue increase with the move to monthly billing

10

11 HJS Schedule E-2 – Changes to Base Charges Without Revenue Increase
12 Comparison of Impacts With and Without Revenue Increase: This schedule
13 shows the impact of Newport’s proposed change to full monthly billing sought in
14 this Tariff Advice and Petition For Relief with the revenue increase being sought
15 in the Compliance Filing for Docket 4243 and the impact of the change to
16 monthly billing without the proposed revenue increase.

17

18 **III. CONCLUSION**

19 **Q. Does this conclude your testimony?**

20 A. Yes it does.

Rhode Island Public Utilities Commission
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	Rate Year (Approved in 4243)	Proposed Rate Year
O&M COSTS		
Administration		
Salaries & Wages	\$ 273,889	\$ 273,889
AFSCME retro	-	-
NEA retro	-	-
AFSCME benefits on retro pay	-	-
NEA benefits on retro pay	-	-
Standby Salaries	12,500	12,500
Accrued Benefits Buyout	175,000	175,000
Employee Benefits	128,202	128,202
Retiree Insurance Coverage	514,000	514,000
Workers Compensation	85,000	85,000
Annual Leave Buyback	2,400	2,400
Advertisement	9,000	9,000
Membership Dues & Subscriptions	2,500	2,500
Conferences & Training	4,000	4,000
Tuition Reimbursement	2,000	2,000
Consultant Fees	233,033	233,033
Postage	1,000	1,000
Fire & Liability Insurance	76,468	76,468
Telephone & Communication	5,500	5,500
Water	1,942	1,942
Electricity	5,805	5,805
Natural Gas	7,252	7,252
Property Taxes	226,774	226,774
Legal & Administrative		
Audit Fees	4,349	4,349
OPEB Contribution	-	-
City Counsel	4,649	4,649
Citizens Survey	-	-
City Clerk	3,381	3,381
City Manager	54,131	54,131
Human Resources	30,121	30,121
City Solicitor	20,459	20,459
Finance Adimistrative 80%	19,822	19,822
Finance Adimistrative 5%	7,020	7,020
Purchasing	18,314	18,314
Assessment	5,973	5,973
Collections	46,979	46,979
Accounting 5%	10,679	10,679
Accounting	70,516	70,516
Public Safety	-	-
Facilities Maintenance	13,266	13,266
Data Processing	143,888	143,888
Mileage Allowance	2,000	2,000
Gasoline & Vehicle Allowance	7,508	7,508
Repairs & Maintenance	1,200	1,200
Regulatory Expense	10,000	10,000
Regulatory Assessment	48,096	48,096
Office Supplies	20,000	20,000
Self Insurance	10,000	10,000
Unemployment Claims	12,000	12,000
Subtotal:	\$ 2,330,614	\$ 2,330,614

	Rate Year (Approved in 4243)	Proposed Rate Year
Customer Service		
Salaries & Wages	\$ 256,335	\$ 256,335
Overtime	10,200	10,200
Collections	-	-
Temp Salaries	10,200	10,200
Injury Pay	-	-
Employee Benefits	168,793	168,793
Annual Leave Buyback	5,000	5,000
Copying & binding	500	500
Conferences & Training	5,000	5,000
Support Services	26,002	26,002
Postage	31,706	31,706
Gasoline & Vehicle Allowance	33,421	33,421
Repairs & Maintenance	40,000	40,000
Meter Maintenance	10,000	10,000
Operating Supplies	5,000	5,000
Uniforms & protective Gear	1,000	1,000
Customer Service Supplies	10,343	10,343
Subtotal:	\$ 613,500	\$ 613,500
Source of Supply - Island		
Salaries & Wages	\$ 258,897	\$ 258,897
Overtime	28,903	28,903
Temp Salaries	10,000	10,000
Injury Pay	-	-
Employee Benefits	134,334	134,334
Annual Leave Buyback	6,300	6,300
Electricity	42,108	42,108
Gas/Vehicle Maintenance	58,648	58,648
Repairs & Maintenance	7,425	7,425
Reservoir Maintenance	16,000	16,000
Operating Supplies	7,750	7,750
Uniforms & protective Gear	700	700
Chemicals	72,735	72,735
Subtotal:	\$ 643,800	\$ 643,800
Source of Supply - Mainland		
Overtime	\$ 4,617	\$ 4,617
Temp Salaries	13,000	13,000
Permanent Part time	15,264	15,264
Employee Benefits	2,525	2,525
Electricity	120,189	120,189
Repairs & Maintenance	7,200	7,200
Reservoir Maintenance	4,500	4,500
Operating Supplies	630	630
Subtotal:	\$ 167,925	\$ 167,925

	Rate Year (Approved in 4243)	Proposed Rate Year
Station One		
Salaries & Wages	\$446,983	\$446,983
Overtime	60,021	60,021
Holiday Pay	17,045	17,045
Employee Benefits	\$278,523	\$278,523
Annual Leave Buyback	5,000	5,000
Conferences & Training	4,500	4,500
Fire & Liability Insurance	12,687	12,687
Electricity	\$252,674	\$252,674
Natural Gas	24,250	24,250
Rental of Equipment	600	600
Sewer Charge	293,020	293,020
Gas/Vehicle Maintenance	7,583	7,583
Repairs & Maintenance	\$25,000	\$25,000
Operating Supplies	\$25,210	\$25,210
Uniforms & protective Gear	1,062	1,062
Station One Pumping	\$22,428	\$22,428
Chemicals	354,210	354,210
Subtotal:	\$ 1,830,796	\$ 1,830,796
Lawton Valley		
Salaries & Wages	\$459,704	\$459,704
Overtime	37,657	37,657
Holiday Pay	16,760	16,760
Employee Benefits	\$287,143	\$287,143
Annual Leave Buyback	3,966	3,966
Conferences & Training	3,000	3,000
Fire & Liability Insurance	18,614	18,614
Electricity	\$132,551	\$132,551
Natural Gas	29,909	29,909
Rental of Equipment	500	500
Sewer Charge	360,640	360,640
Gas/Vehicle Maintenance	7,882	7,882
Repairs & Maintenance	\$34,048	\$34,048
Operating Supplies	\$18,475	\$18,475
Uniforms & protective Gear	1,542	1,542
LV Pumping	\$31,646	\$31,646
Chemicals	169,977	169,977
Subtotal:	\$ 1,614,015	\$ 1,614,015
Laboratory		
Salaries & Wages	\$ 104,358	\$ 104,358
Employee Benefits	64,208	64,208
Annual Leave Buyback	2,750	2,750
Repairs & Maintenance	1,700	1,700
Regulatory Assessment	32,000	32,000
Laboratory Supplies	18,684	18,684
Subtotal:	\$ 223,700	\$ 223,700

	Rate Year (Approved in 4243)	Proposed Rate Year
Transmission & Distribution		
Salaries & Wages	\$ 418,161	\$ 418,161
Overtime	52,364	52,364
Temp Salaries	10,000	10,000
Injury Pay	-	-
Employee Benefits	251,514	251,514
Annual Leave Buyback	10,943	10,943
Conferences & Training	4,000	4,000
Contract Services	12,430	12,430
Fire & Liability Insurance	18,748	18,748
Electricity	18,762	18,762
Heavy Equipment Rental	8,260	8,260
Gas/Vehicle Maintenance	110,305	110,305
Repairs & Maintenance	26,000	26,000
Main Maintenance	35,000	35,000
Hydrant Maintenance	35,000	35,000
Service Maintenance	30,000	30,000
Operating Supplies	10,000	10,000
Uniforms & protective Gear	1,761	1,761
Subtotal:	\$ 1,053,248	\$ 1,053,248
Fire Protection		
Repair & Maintenance - Equipment	\$ 13,500	\$ 13,500
Subtotal:	\$ 13,500	\$ 13,500
Total O&M Costs	\$ 8,491,098	\$ 8,491,098

	Rate Year (Approved in 4243)	Proposed Rate Year
<u>CAPITAL COSTS</u>		
Contribution to Capital Spending Acct.	\$ 2,500,000	\$ 2,500,000
Contribution to Debt Service Acct.	\$3,735,016	\$ 6,811,000
Total Capital Costs	\$ 6,235,016	\$ 9,311,000
Operating Revenue Allowance	\$ 254,733	\$ 254,733
Total Costs before Offsets	\$ 14,980,847	\$ 18,056,831
<u>OFFSETS</u>		
Nonrate Revenues		
Sundry charges	\$ 104,000	\$ 104,000
WPC cost share on customer service	296,856	296,856
Middletown cost share on customer service	143,506	143,506
Rental of Property	108,167	108,167
Water Penalty	47,500	47,500
Miscellaneous	8,600	8,600
Investment Interest Income	3,900	3,900
Water Quality Protection Fees	22,500	22,500
Total Nonrate Revenues	\$ 735,029	\$ 735,029
Net Costs to Be Recovered through Rates	\$ 14,245,818	\$ 17,321,802

Rate Year O&M costs are those approved in Docket No. 4243.

Rhode Island Public Utilities Commission
 Docket ????
 Miscellaneous Petition For Relief
 HJS Schedule A-2
 Cost of Service Rates and Charges

(1)

		Docket 4355 Rates	Cost of Service	Proposed Rates	% Change	Projected Revenues	
Base Charge (per bill)							
Monthly							
5/8	\$	7.94	\$ 4.8859	\$ 4.89	-38%	\$631,690	
3/4	\$	8.04	5.0086	5.01	-38%	148,977	
1	\$	8.96	6.0659	6.07	-32%	40,499	
1.5	\$	11.30	8.7773	8.78	-22%	38,351	
2	\$	13.53	11.3448	11.35	-16%	37,319	
3	\$	25.64	25.2135	25.22	-2%	20,277	
4	\$	28.87	28.8920	28.90	0%	5,202	
5	\$	33.18	33.7968	33.80	2%	406	
6	\$	36.41	37.4753	37.48	3%	10,794	
8	\$	45.03	47.2848	47.29	5%	567	
10	\$	60.66	65.0644	65.07	7%	781	
Quarterly							
5/8	\$	11.47	\$ 8.9418	N/A	N/A	0	
3/4	\$	11.79	9.3097	N/A	N/A	0	
1	\$	14.54	12.4818	N/A	N/A	0	
1.5	\$	21.55	20.6158	N/A	N/A	0	
2	\$	28.25	28.3183	N/A	N/A	0	
3	\$	64.57	69.9244	N/A	N/A	0	
4	\$	74.27	80.9601	N/A	N/A	0	
5	\$	87.20	95.6743	N/A	N/A	0	
6	\$	96.90	106.7099	N/A	N/A	0	
8	\$	122.76	136.1383	N/A	N/A	0	
10	\$	169.63	189.4773	N/A	N/A	0	
						\$ 934,863	
Volume Charge (per 1,000 gallons)							
Retail							
Residential	\$	8.24	\$ 10.0118	\$ 10.02	22%	6,310,295	
Non-Residential	\$	9.19	\$ 11.2114	\$ 11.22	22%	5,469,257	
						\$ 11,779,552	
Wholesale							
Navy	\$	5.4115	\$ 6.5189	\$ 6.5189	20%	1,175,320	
Portsmouth Water & Fire District	\$	4.314	\$ 5.1507	\$ 5.1507	19%	2,077,441	
						\$ 3,252,761	
Fire Protection							
Public (per hydrant)							
	\$	752.65	\$ 944.21	\$ 944.22	25%	\$ 978,212	
Private (by Connection Size) (2)							
	Connection Size	Existing Charge Differential					
	<2	\$22.43	\$ 25.98	\$ 25.99	16%		
	2	6.19	\$93.97	\$ 108.84	\$ 108.85	16%	435
	4	38.32	\$326.54	\$ 399.07	\$ 399.08	22%	24,344
	6	111.31	\$762.74	\$ 951.10	\$ 951.11	25%	233,022
	8	237.21	\$1,515.09	\$ 1,903.24	\$ 1,903.25	26%	118,002
	10	426.58	\$2,646.79	\$ 3,335.45	\$ 3,335.46	26%	-
	12	689.04	\$4,215.28	\$ 5,320.45	\$ 5,320.45	26%	10,641
						\$ 386,444	
Total Projected Rate Revenues						\$ 17,331,832	

(1) From HJS Schedule B-2 , 'Allocation of Costs to Water Rate Classes'.
 (2) From HJS Schedule D-2 , 'Fire Protection Accounts'.

Customer Class	Proposed 5/8 Inch Meter				Proposed 3/4 Inch Meter				Proposed 1 Inch Meter				Proposed 1.5 Inch Meter				Proposed 2 Inch Meter				Proposed 3 Inch Meter				
	Annual Bill at Current Rates	Annual Bill at Proposed Rates	Dollar Change	Percent Change	Annual Bill at Current Rates	Annual Bill at Proposed Rates	Dollar Change	Percent Change	Annual Bill at Current Rates	Annual Bill at Proposed Rates	Dollar Change	Percent Change	Annual Bill at Current Rates	Annual Bill at Proposed Rates	Dollar Change	Percent Change	Annual Bill at Current Rates	Annual Bill at Proposed Rates	Dollar Change	Percent Change	Annual Bill at Current Rates	Annual Bill at Proposed Rates	Dollar Change	Percent Change	
	Consumption per Bill (gallons)																								
Residential (Monthly)	1,000	\$194.16	\$178.92	-\$15.24	-7.8%	\$195.36	\$180.36	-\$15.00	-7.7%	\$206.40	\$193.08	-\$13.32	-6.9%	\$234.48	\$225.60	-\$8.88	-4.6%	\$261.24	\$256.44	-\$4.80	-2.5%	\$406.56	\$422.88	\$16.32	8.4%
	2,000	\$293.04	\$299.16	\$6.12	2.1%	\$294.24	\$300.60	\$6.36	2.2%	\$305.28	\$313.32	\$8.04	2.7%	\$333.36	\$345.84	\$12.48	4.3%	\$360.12	\$376.68	\$16.56	5.7%	\$505.44	\$543.12	\$37.68	12.9%
	4,000	\$490.80	\$539.64	\$48.84	10.0%	\$492.00	\$541.08	\$49.08	10.0%	\$503.04	\$553.80	\$50.76	10.3%	\$531.12	\$586.32	\$55.20	11.2%	\$557.88	\$617.16	\$59.28	12.1%	\$703.20	\$783.60	\$80.40	16.4%
	5,000	\$589.68	\$659.88	\$70.20	11.9%	\$590.88	\$661.32	\$70.44	11.9%	\$601.92	\$674.04	\$72.12	12.2%	\$630.00	\$706.56	\$76.56	13.0%	\$656.76	\$737.40	\$80.64	13.7%	\$802.08	\$903.84	\$101.76	17.3%
	7,500	\$836.88	\$960.48	\$123.60	14.8%	\$838.08	\$961.92	\$123.84	14.8%	\$849.12	\$974.64	\$125.52	15.0%	\$877.20	\$1,007.16	\$129.96	15.5%	\$903.96	\$1,038.00	\$134.04	16.0%	\$1,049.28	\$1,204.44	\$155.16	18.5%
	10,000	\$1,084.08	\$1,261.08	\$177.00	16.3%	\$1,085.28	\$1,262.52	\$177.24	16.3%	\$1,096.32	\$1,275.24	\$178.92	16.5%	\$1,124.40	\$1,307.76	\$183.36	16.9%	\$1,151.16	\$1,338.60	\$187.44	17.3%	\$1,296.48	\$1,505.04	\$208.56	19.2%
	15,000	\$1,578.48	\$1,862.28	\$283.80	18.0%	\$1,579.68	\$1,863.72	\$284.04	18.0%	\$1,590.72	\$1,876.44	\$285.72	18.1%	\$1,618.80	\$1,908.96	\$290.16	18.4%	\$1,645.56	\$1,939.80	\$294.24	18.6%	\$1,790.88	\$2,106.24	\$315.36	20.0%
	20,000	\$2,072.88	\$2,463.48	\$390.60	18.8%	\$2,074.08	\$2,464.92	\$390.84	18.9%	\$2,085.12	\$2,477.64	\$392.52	18.9%	\$2,113.20	\$2,510.16	\$396.96	19.2%	\$2,139.96	\$2,541.00	\$401.04	19.3%	\$2,285.28	\$2,707.44	\$422.16	20.4%
	25,000	\$2,567.28	\$3,064.68	\$497.40	19.4%	\$2,568.48	\$3,066.12	\$497.64	19.4%	\$2,579.52	\$3,078.84	\$499.32	19.4%	\$2,607.60	\$3,111.36	\$503.76	19.6%	\$2,634.36	\$3,142.20	\$507.84	19.8%	\$2,779.68	\$3,308.64	\$528.96	20.6%
	30,000	\$3,061.68	\$3,665.88	\$604.20	19.7%	\$3,062.88	\$3,667.32	\$604.44	19.7%	\$3,073.92	\$3,680.04	\$606.12	19.8%	\$3,102.00	\$3,712.56	\$610.56	19.9%	\$3,128.76	\$3,743.40	\$614.64	20.1%	\$3,274.08	\$3,909.84	\$635.76	20.8%
Residential(Quarterly)	1,000	\$78.84	\$98.76	\$19.92	25.3%	\$80.12	\$100.20	\$20.08	25.5%	\$91.12	\$112.92	\$21.80	27.7%	\$119.16	\$145.44	\$26.28	33.3%	\$145.96	\$176.28	\$30.32	38.5%	\$291.24	\$342.72	\$51.48	65.3%
	2,000	\$111.80	\$138.84	\$27.04	24.2%	\$113.08	\$140.28	\$27.20	24.3%	\$124.08	\$153.00	\$28.92	25.9%	\$152.12	\$185.52	\$33.40	29.9%	\$178.92	\$216.36	\$37.44	33.5%	\$324.20	\$382.80	\$58.60	52.4%
	3,000	\$144.76	\$178.92	\$34.16	23.6%	\$146.04	\$180.36	\$34.32	23.7%	\$157.04	\$193.08	\$36.04	24.9%	\$185.08	\$225.60	\$40.52	28.0%	\$211.88	\$256.44	\$44.56	30.8%	\$357.16	\$422.88	\$65.72	45.4%
	4,000	\$177.72	\$219.00	\$41.28	23.2%	\$179.00	\$220.44	\$41.44	23.3%	\$190.00	\$233.16	\$43.16	24.3%	\$218.04	\$265.68	\$47.64	26.8%	\$244.84	\$296.52	\$51.68	29.1%	\$390.12	\$462.96	\$72.84	41.0%
	8,500	\$326.04	\$399.36	\$73.32	22.5%	\$327.32	\$400.80	\$73.48	22.5%	\$338.32	\$413.52	\$75.20	23.1%	\$366.36	\$446.04	\$79.68	24.4%	\$393.16	\$476.88	\$83.72	25.7%	\$538.44	\$643.32	\$104.88	32.2%
	15,000	\$540.28	\$659.88	\$119.60	22.1%	\$541.56	\$661.32	\$119.76	22.2%	\$552.56	\$674.04	\$121.48	22.5%	\$580.60	\$706.56	\$125.96	23.3%	\$607.40	\$737.40	\$130.00	24.1%	\$752.68	\$903.84	\$151.16	28.0%
	60,000	\$2,023.48	\$2,463.48	\$440.00	21.7%	\$2,024.76	\$2,464.92	\$440.16	21.8%	\$2,035.76	\$2,477.64	\$441.88	21.8%	\$2,063.80	\$2,510.16	\$446.36	22.1%	\$2,090.60	\$2,541.00	\$450.40	22.3%	\$2,235.88	\$2,707.44	\$471.56	23.3%
	80,000	\$2,682.68	\$3,265.08	\$582.40	21.7%	\$2,683.96	\$3,266.52	\$582.56	21.7%	\$2,694.96	\$3,279.24	\$584.28	21.8%	\$2,723.00	\$3,311.76	\$588.76	21.9%	\$2,749.80	\$3,342.60	\$592.80	22.1%	\$2,895.08	\$3,509.04	\$613.96	22.9%
	100,000	\$3,341.88	\$4,066.68	\$724.80	21.7%	\$3,343.16	\$4,068.12	\$724.96	21.7%	\$3,354.16	\$4,080.84	\$726.68	21.7%	\$3,382.20	\$4,113.36	\$731.16	21.9%	\$3,409.00	\$4,144.20	\$735.20	22.0%	\$3,554.28	\$4,310.64	\$756.36	22.6%
	120,000	\$4,001.08	\$4,868.28	\$867.20	21.7%	\$4,002.36	\$4,869.72	\$867.36	21.7%	\$4,013.36	\$4,882.44	\$869.08	21.7%	\$4,041.40	\$4,914.96	\$873.56	21.8%	\$4,068.20	\$4,945.80	\$877.60	21.9%	\$4,213.48	\$5,112.24	\$898.76	22.5%

Customer Class	Proposed 5/8 Inch Meter				Proposed 3/4 Inch Meter				Proposed 1 Inch Meter				Proposed 1.5 Inch Meter				Proposed 2 Inch Meter				Proposed 3 Inch Meter				
	Monthly Consumption (gallons)	Annual Bill at Current Rates	Annual Bill at Proposed Rates	Dollar Change	Percent Change	Annual Bill at Current Rates	Annual Bill at Proposed Rates	Dollar Change	Percent Change	Annual Bill at Current Rates	Annual Bill at Proposed Rates	Dollar Change	Percent Change	Annual Bill at Current Rates	Annual Bill at Proposed Rates	Dollar Change	Percent Change	Annual Bill at Current Rates	Annual Bill at Proposed Rates	Dollar Change	Percent Change	Annual Bill at Current Rates	Annual Bill at Proposed Rates	Dollar Change	Percent Change
Commercial (Monthly)	2,000	\$315.84	\$327.96	\$12.12	3.8%	\$317.04	\$329.40	\$12.36	3.9%	\$328.08	\$342.12	\$14.04	4.4%	\$356.16	\$374.64	\$18.48	5.9%	\$382.92	\$405.48	\$22.56	7.1%	\$505.44	\$543.12	\$37.68	11.9%
	5,000	\$646.68	\$731.88	\$85.20	13.2%	\$647.88	\$733.32	\$85.44	13.2%	\$658.92	\$746.04	\$87.12	13.5%	\$687.00	\$778.56	\$91.56	14.2%	\$713.76	\$809.40	\$95.64	14.8%	\$802.08	\$903.84	\$101.76	15.7%
	10,000	\$1,198.08	\$1,405.08	\$207.00	17.3%	\$1,199.28	\$1,406.52	\$207.24	17.3%	\$1,210.32	\$1,419.24	\$208.92	17.4%	\$1,238.40	\$1,451.76	\$213.36	17.8%	\$1,265.16	\$1,482.60	\$217.44	18.1%	\$1,296.48	\$1,505.04	\$208.56	17.4%
	25,000	\$2,852.28	\$3,424.68	\$572.40	20.1%	\$2,853.48	\$3,426.12	\$572.64	20.1%	\$2,864.52	\$3,438.84	\$574.32	20.1%	\$2,892.60	\$3,471.36	\$578.76	20.3%	\$2,919.36	\$3,502.20	\$582.84	20.4%	\$2,779.68	\$3,308.64	\$528.96	18.5%
	30,000	\$3,403.68	\$4,097.88	\$694.20	20.4%	\$3,404.88	\$4,099.32	\$694.44	20.4%	\$3,415.92	\$4,112.04	\$696.12	20.5%	\$3,444.00	\$4,144.56	\$700.56	20.6%	\$3,470.76	\$4,175.40	\$704.64	20.7%	\$3,274.08	\$3,909.84	\$635.76	18.7%
	40,000	\$4,506.48	\$5,444.28	\$937.80	20.8%	\$4,507.68	\$5,445.72	\$938.04	20.8%	\$4,518.72	\$5,458.44	\$939.72	20.9%	\$4,546.80	\$5,490.96	\$944.16	21.0%	\$4,573.56	\$5,521.80	\$948.24	21.0%	\$4,262.88	\$5,112.24	\$849.36	18.8%
	50,000	\$5,609.28	\$6,790.68	\$1,181.40	21.1%	\$5,610.48	\$6,792.12	\$1,181.64	21.1%	\$5,621.52	\$6,804.84	\$1,183.32	21.1%	\$5,649.60	\$6,837.36	\$1,187.76	21.2%	\$5,676.36	\$6,868.20	\$1,191.84	21.2%	\$5,251.68	\$6,314.64	\$1,062.96	19.0%
	75,000	\$8,366.28	\$10,156.68	\$1,790.40	21.4%	\$8,367.48	\$10,158.12	\$1,790.64	21.4%	\$8,378.52	\$10,170.84	\$1,792.32	21.4%	\$8,406.60	\$10,203.36	\$1,796.76	21.5%	\$8,433.36	\$10,234.20	\$1,800.84	21.5%	\$7,723.68	\$9,320.64	\$1,596.96	19.1%
	100,000	\$11,123.28	\$13,522.68	\$2,399.40	21.6%	\$11,124.48	\$13,524.12	\$2,399.64	21.6%	\$11,135.52	\$13,536.84	\$2,401.32	21.6%	\$11,163.60	\$13,569.36	\$2,405.76	21.6%	\$11,190.36	\$13,600.20	\$2,409.84	21.7%	\$10,195.68	\$12,326.64	\$2,130.96	19.2%

Customer Class	Proposed 5/8 Inch Meter				Proposed 3/4 Inch Meter				Proposed 1 Inch Meter				Proposed 1.5 Inch Meter				Proposed 2 Inch Meter				Proposed 3 Inch Meter				
	Annual Consumption (gallons)	Annual Bill at Current Rates	Annual Bill at Proposed Rates	Dollar Change	Percent Change	Annual Bill at Current Rates	Annual Bill at Proposed Rates	Dollar Change	Percent Change	Annual Bill at Current Rates	Annual Bill at Proposed Rates	Dollar Change	Percent Change	Annual Bill at Current Rates	Annual Bill at Proposed Rates	Dollar Change	Percent Change	Annual Bill at Current Rates	Annual Bill at Proposed Rates	Dollar Change	Percent Change	Annual Bill at Current Rates	Annual Bill at Proposed Rates	Dollar Change	Percent Change
Commercial with 6" Fire Connection(Monthly Account)	120,000	\$1,198.08	\$1,405.08	\$207.00	17.3%	\$1,442.88	\$1,406.52	-\$36.36	-3.0%	\$1,453.92	\$1,419.24	-\$34.68	-2.9%	\$1,482.00	\$1,451.76	-\$30.24	-2.5%	\$1,508.76	\$1,482.60	-\$26.16	-2.2%	\$1,654.08	\$1,649.04	-\$5.04	-0.4%
Base Charge and Commodity Charges		\$762.74	\$951.11	\$188.37	24.7%	\$762.74	\$951.11	\$188.37	24.7%	\$762.74	\$951.11	\$188.37	24.7%	\$762.74	\$951.11	\$188.37	24.7%	\$762.74	\$951.11	\$188.37	24.7%	\$762.74	\$951.11	\$188.37	24.7%
Fire Protection Charge																									
Total Annual Charges		\$1,960.82	\$2,356.19	\$395.37	20.2%	\$2,205.62	\$2,357.63	\$152.01	7.8%	\$2,216.66	\$2,370.35	\$153.69	7.8%	\$2,244.74	\$2,402.87	\$158.13	8.1%	\$2,271.50	\$2,433.71	\$162.21	8.3%	\$2,416.82	\$2,600.15	\$183.33	9.3%

Rhode Island Public Utilities Commission
 Docket ????
 Miscellaneous Petition For Relief
 HJS Schedule A-3
 Bill Impacts - Cost of Service Rates
 Page 3 of 3

Customer Class	Monthly Consumption (gallons)	Bill at Current Rates	Proposed		
			Bill at Proposed Rates	Dollar Change	Percent Change
Portsmouth (Monthly)					
	10,000,000	\$43,143	\$51,536	\$8,393	19.5%
	20,000,000	\$86,278	\$103,043	\$16,765	19.4%
Avg. Monthly Bill	38,000,000	\$163,921	\$195,756	\$31,835	19.4%
	40,000,000	\$172,548	\$206,057	\$33,509	19.4%
	75,000,000	\$323,520	\$386,331	\$62,811	19.4%
	100,000,000	\$431,358	\$515,099	\$83,741	19.4%
	150,000,000	\$647,033	\$772,634	\$125,601	19.4%
Navy (Monthly)					
	10,000,000	\$54,160	\$65,189	\$11,029	20.4%
Avg. Monthly Bill (All Meters)	20,000,000	\$108,291	\$130,378	\$22,087	20.4%
	38,000,000	\$205,637	\$247,718	\$42,081	20.5%
	50,000,000	\$270,586	\$325,945	\$55,359	20.5%
	75,000,000	\$405,874	\$488,918	\$83,043	20.5%
	100,000,000	\$541,165	\$651,890	\$110,725	20.5%

Docket No. XXXX
Rhode Island Public Utilities Commission
Docket ????
Miscellaneous Petition For Relief
HJS Schedule A-4
Revenue Proof

	Rate Year Revenue	
	Existing Rates	Proposed Rates
REVENUES		
Water Rates		
Base Charge (Billing Charge)	\$ 1,385,943	\$ 934,863
Volume Charge		
Residential	5,189,305	6,310,295
Commercial	4,479,721	5,469,257
Navy	975,662	1,175,320
Portsmouth Water & Fire District	1,739,772	2,077,441
Fire Protection		
Public	779,745	978,212
Private	309,532	386,444
Total Rate Revenues	\$ 14,859,680	\$ 17,331,832
Other Operating Revenues		
Sundry charges	\$ 104,000	104,000
WPC cost share on customer service	\$ 296,856	296,856
Middletown cost share on customer service	\$ 143,506	143,506
Rental of Property	\$ 108,167	108,167
Total Other Operating Revenues	\$ 652,529	652,529
Total Operating Revenues	\$ 15,512,209	\$ 17,984,361
Add: Non-Operating Revenues		
Water Penalty	47,500	47,500
Miscellaneous	8,600	8,600
Investment Interest Income	3,900	3,900
Water Quality Protection Fees	22,500	22,500
Total Non Operating Revenues	\$ 82,500	\$ 82,500
Total Revenues	\$ 15,594,709	\$ 18,066,861
COSTS		
Departmental O&M	\$ (8,491,098)	(8,491,098)
Capital Costs		
Contribution to Capital Spending Acct.	(2,500,000)	(2,500,000)
Contribution to Debt Service Acct.	(6,811,000)	(\$6,811,000)
Total Capital Costs	\$ (9,311,000)	(9,311,000)
Operating Revenue Allowance	(254,733)	(254,733)
Total Costs	\$ (18,056,831)	\$ (18,056,831)
Revenue Surplus (Deficit)	\$ (2,462,122)	\$ 10,030

Rate Year	Allocation Notes	Base	Max Day	Max Hour	Metering	Billing	Services	Fire	Total % Allocated	
Operation & Maintenance Costs										
Administration										
Salaries, Wages, & Benefits										
Salaries & Wages	\$ 273,889	Non Admin less electricity & chemicals	64%	20%	3%	5%	5%	2%	1%	100%
AFSCME retro	\$ -	Non Admin less electricity & chemicals	64%	20%	3%	5%	5%	2%	1%	100%
NEA retro	\$ -	Non Admin less electricity & chemicals	64%	20%	3%	5%	5%	2%	1%	100%
AFSCME benefits on retro pay	\$ -	Non Admin less electricity & chemicals	64%	20%	3%	5%	5%	2%	1%	100%
NEA benefits on retro pay	\$ -	Non Admin less electricity & chemicals	64%	20%	3%	5%	5%	2%	1%	100%
Standby Salaries	\$ 12,500	Non Admin less electricity & chemicals	64%	20%	3%	5%	5%	2%	1%	100%
Accrued Benefits Buyout	\$ 175,000	Non-Administrative Wages & Salaries	59%	25%	4%	6%	5%	2%	0%	100%
Employee Benefits	\$ 128,202	Non Admin less electricity & chemicals	64%	20%	3%	5%	5%	2%	1%	100%
Retiree Insurance Coverage	\$ 514,000	Non-Administrative Wages & Salaries	59%	25%	4%	6%	5%	2%	0%	100%
Workers Compensation	\$ 85,000	Non-Administrative Wages & Salaries	59%	25%	4%	6%	5%	2%	0%	100%
Annual Leave Buyback	\$ 2,400	Non Admin less electricity & chemicals	64%	20%	3%	5%	5%	2%	1%	100%
Subtotal	1,190,991									

Rate Year	Allocation Notes	Base	Max Day	Max Hour	Metering	Billing	Services	Fire	Total % Allocated
All Other Administrative Costs									
Advertisement	Non Admin less electricity & chemicals	64%	20%	3%	5%	5%	2%	1%	100%
Membership Dues & Subscriptions	Non Admin less electricity & chemicals	64%	20%	3%	5%	5%	2%	1%	100%
Conferences & Training	Non Admin less electricity & chemicals	64%	20%	3%	5%	5%	2%	1%	100%
Tuition Reimbursement	Non Admin less electricity & chemicals	64%	20%	3%	5%	5%	2%	1%	100%
Consultant Fees	Non Admin less electricity & chemicals	64%	20%	3%	5%	5%	2%	1%	100%
Postage	Non Admin less electricity & chemicals	64%	20%	3%	5%	5%	2%	1%	100%
Fire & Liability Insurance	Non Admin less electricity & chemicals	64%	20%	3%	5%	5%	2%	1%	100%
Telephone & Communication	Non Admin less electricity & chemicals	64%	20%	3%	5%	5%	2%	1%	100%
Water	Non Admin less electricity & chemicals	64%	20%	3%	5%	5%	2%	1%	100%
Electricity	Non Admin less electricity & chemicals	64%	20%	3%	5%	5%	2%	1%	100%
Natural Gas	Non Admin less electricity & chemicals	64%	20%	3%	5%	5%	2%	1%	100%
Property Taxes	Non Admin less electricity & chemicals	64%	20%	3%	5%	5%	2%	1%	100%
Legal & Administrative									
Audit Fees	Total Non-Admin Costs Before Offsets	65%	23%	4%	2%	4%	1%	1%	100%
OPEB Contribution	Total Non-Admin Costs Before Offsets	65%	23%	4%	2%	4%	1%	1%	100%
City Counsel	Total Non-Admin Costs Before Offsets	65%	23%	4%	2%	4%	1%	1%	100%
Citizens Survey	Total Non-Admin Costs Before Offsets	65%	23%	4%	2%	4%	1%	1%	100%
City Clerk	Total Non-Admin Costs Before Offsets	65%	23%	4%	2%	4%	1%	1%	100%
City Manager	Total Non-Admin Costs Before Offsets	65%	23%	4%	2%	4%	1%	1%	100%
Human Resources	Non-Administrative Wages & Salaries	59%	25%	4%	6%	5%	2%	0%	100%
City Solicitor	Total Non-Admin Costs Before Offsets	65%	23%	4%	2%	4%	1%	1%	100%
Finance Adimistrative 80%	Total Non-Admin Costs Before Offsets	65%	23%	4%	2%	4%	1%	1%	100%
Finance Adimistrative 5%	Total Non-Admin Costs Before Offsets	65%	23%	4%	2%	4%	1%	1%	100%
Purchasing	Total Non-Admin Costs Before Offsets	65%	23%	4%	2%	4%	1%	1%	100%
Assessment	Capital Costs	62%	27%	5%	1%	3%	1%	1%	100%
Collections	100% Billing	0%	0%	0%	0%	100%	0%	0%	100%
Accounting 5%	Total Non-Admin Costs Before Offsets	65%	23%	4%	2%	4%	1%	1%	100%
Accounting	Non-Administrative Wages & Salaries	59%	25%	4%	6%	5%	2%	0%	100%
Public Safety	Total Non-Admin Costs Before Offsets	65%	23%	4%	2%	4%	1%	1%	100%
Facilities Maintenance	Total Non-Admin Costs Before Offsets	65%	23%	4%	2%	4%	1%	1%	100%
Data Processing	Non Admin less electricity & chemicals	64%	20%	3%	5%	5%	2%	1%	100%
Mileage Allowance	Non Admin less electricity & chemicals	64%	20%	3%	5%	5%	2%	1%	100%
Gasoline & Vehicle Allowance	Non Admin less electricity & chemicals	64%	20%	3%	5%	5%	2%	1%	100%
Repairs & Maintenance	Non Admin less electricity & chemicals	64%	20%	3%	5%	5%	2%	1%	100%
Regulatory Expense	Non Admin less electricity & chemicals	64%	20%	3%	5%	5%	2%	1%	100%
Regulatory Assessment	Non Admin less electricity & chemicals	64%	20%	3%	5%	5%	2%	1%	100%
Office Supplies	Non Admin less electricity & chemicals	64%	20%	3%	5%	5%	2%	1%	100%
Self Insurance	Non Admin less electricity & chemicals	64%	20%	3%	5%	5%	2%	1%	100%
Unemployment Claims	Non Admin less electricity & chemicals	64%	20%	3%	5%	5%	2%	1%	100%
Subtotal									

	Rate Year	Allocation Notes	Base	Max Day	Max Hour	Metering	Billing	Services	Fire	Total % Allocated
Customer Service										
Salaries & Wages	281,735	Customer Service Salaries and Wages	0%	0%	0%	46%	41%	13%	0%	100%
Benefits	168,793	Customer Service Salaries and Wages	0%	0%	0%	46%	41%	13%	0%	100%
Copying & binding	500	100% billing (based on budget analysis)					100%			100%
Conferences & Training	5,000	100% billing (based on budget analysis)					100%			100%
Support Services	26,002	100% billing (software support & printing/mailing)					100%			100%
Postage	31,706	100% billing (based on budget analysis)					100%			100%
Gasoline & Vehicle Allowance	33,421	Customer Service Salaries and Wages	0%	0%	0%	46%	41%	13%	0%	100%
Repairs & Maintenance	40,000	100% metering (meter repairs)				100%				100%
Meter Maintenance	10,000	100% metering (based on budget analysis)				100%				100%
Operating Supplies	5,000	100% metering (based on budget analysis)				100%				100%
Uniforms & protective Gear	1,000	100% metering (based on budget analysis)				100%				100%
Customer Service Supplies	10,343	100% billing (based on budget analysis)					100%			100%
Subtotal	613,500									
Source of Supply - Island										
Salaries & Wages	\$ 258,897	Average Day Demand Patterns	100%	0%	0%	0%	0%	0%	0%	100%
Overtime	\$ 28,903	Average Day Demand Patterns	100%	0%	0%	0%	0%	0%	0%	100%
Temp Salaries	\$ 10,000	Average Day Demand Patterns	100%	0%	0%	0%	0%	0%	0%	100%
Injury Pay	\$ -	Average Day Demand Patterns	100%	0%	0%	0%	0%	0%	0%	100%
Employee Benefits	\$ 134,334	Average Day Demand Patterns	100%	0%	0%	0%	0%	0%	0%	100%
Annual Leave Buyback	\$ 6,300	Average Day Demand Patterns	100%	0%	0%	0%	0%	0%	0%	100%
Electricity	\$ 42,108	Average Day Demand Patterns	100%	0%	0%	0%	0%	0%	0%	100%
Gas/Vehicle Maintenance	\$ 58,648	Average Day Demand Patterns	100%	0%	0%	0%	0%	0%	0%	100%
Repairs & Maintenance	\$ 7,425	Average Day Demand Patterns	100%	0%	0%	0%	0%	0%	0%	100%
Reservoir Maintenance	\$ 16,000	Average Day Demand Patterns	100%	0%	0%	0%	0%	0%	0%	100%
Operating Supplies	\$ 7,750	Average Day Demand Patterns	100%	0%	0%	0%	0%	0%	0%	100%
Uniforms & protective Gear	\$ 700	Average Day Demand Patterns	100%	0%	0%	0%	0%	0%	0%	100%
Chemicals	\$ 72,735	Average Day Demand Patterns	100%	0%	0%	0%	0%	0%	0%	100%
Subtotal	\$ 643,800									
Source of Supply - Mainland										
Overtime	\$ 4,617	Average Day Demand Patterns	100%	0%	0%	0%	0%	0%	0%	100%
Temp Salaries	\$ 13,000	Average Day Demand Patterns	100%	0%	0%	0%	0%	0%	0%	100%
Permanent Part time	\$ 15,264	Average Day Demand Patterns	100%	0%	0%	0%	0%	0%	0%	100%
Employee Benefits	\$ 2,525	Average Day Demand Patterns	100%	0%	0%	0%	0%	0%	0%	100%
Electricity	\$ 120,189	Average Day Demand Patterns	100%	0%	0%	0%	0%	0%	0%	100%
Repairs & Maintenance	\$ 7,200	Average Day Demand Patterns	100%	0%	0%	0%	0%	0%	0%	100%
Reservoir Maintenance	\$ 4,500	Average Day Demand Patterns	100%	0%	0%	0%	0%	0%	0%	100%
Operating Supplies	\$ 630	Average Day Demand Patterns	100%	0%	0%	0%	0%	0%	0%	100%
Subtotal	\$ 167,925									

Rate Year	Allocation Notes	Base	Max Day	Max Hour	Metering	Billing	Services	Fire	Total % Allocated
Station One (Excludes pumping and chemicals)									
\$ 446,983	Maximum Day Demand Patterns	60%	40%	0%	0%	0%	0%	0%	100%
\$ 60,021	Maximum Day Demand Patterns	60%	40%	0%	0%	0%	0%	0%	100%
\$ 17,045	Maximum Day Demand Patterns	60%	40%	0%	0%	0%	0%	0%	100%
\$ 278,523	Maximum Day Demand Patterns	60%	40%	0%	0%	0%	0%	0%	100%
\$ 5,000	Maximum Day Demand Patterns	60%	40%	0%	0%	0%	0%	0%	100%
\$ 4,500	Maximum Day Demand Patterns	60%	40%	0%	0%	0%	0%	0%	100%
\$ 12,687	Maximum Day Demand Patterns	60%	40%	0%	0%	0%	0%	0%	100%
\$ 252,674	100% Base	100%	0%	0%	0%	0%	0%	0%	100%
\$ 24,250	Maximum Day Demand Patterns	60%	40%	0%	0%	0%	0%	0%	100%
\$ 600	Maximum Day Demand Patterns	60%	40%	0%	0%	0%	0%	0%	100%
\$ 293,020	100% Base	100%	0%	0%	0%	0%	0%	0%	100%
\$ 7,583	Maximum Day Demand Patterns	60%	40%	0%	0%	0%	0%	0%	100%
\$ 25,000	Maximum Day Demand Patterns	60%	40%	0%	0%	0%	0%	0%	100%
\$ 25,210	Maximum Day Demand Patterns	60%	40%	0%	0%	0%	0%	0%	100%
\$ 1,062	Maximum Day Demand Patterns	60%	40%	0%	0%	0%	0%	0%	100%
\$ 22,428	Maximum Hour Demand Patterns	50%	33%	18%	0%	0%	0%	0%	100%
\$ 354,210	100% Base	100%	0%	0%	0%	0%	0%	0%	100%
\$ 1,830,796									
Lawton Valley (Excludes pumping and chemicals)									
\$459,704	Maximum Day Demand Patterns	60%	40%	0%	0%	0%	0%	0%	100%
\$37,657	Maximum Day Demand Patterns	60%	40%	0%	0%	0%	0%	0%	100%
\$16,760	Maximum Day Demand Patterns	60%	40%	0%	0%	0%	0%	0%	100%
\$287,143	Maximum Day Demand Patterns	60%	40%	0%	0%	0%	0%	0%	100%
\$3,966	Maximum Day Demand Patterns	60%	40%	0%	0%	0%	0%	0%	100%
\$3,000	Maximum Day Demand Patterns	60%	40%	0%	0%	0%	0%	0%	100%
\$18,614	Maximum Day Demand Patterns	60%	40%	0%	0%	0%	0%	0%	100%
\$132,551	100% Base	100%	0%	0%	0%	0%	0%	0%	100%
\$29,909	Maximum Day Demand Patterns	60%	40%	0%	0%	0%	0%	0%	100%
\$500	Maximum Day Demand Patterns	60%	40%	0%	0%	0%	0%	0%	100%
\$360,640	100% Base	100%	0%	0%	0%	0%	0%	0%	100%
\$7,882	Maximum Day Demand Patterns	60%	40%	0%	0%	0%	0%	0%	100%
\$34,048	Maximum Day Demand Patterns	60%	40%	0%	0%	0%	0%	0%	100%
\$18,475	Maximum Day Demand Patterns	60%	40%	0%	0%	0%	0%	0%	100%
\$1,542	Maximum Day Demand Patterns	60%	40%	0%	0%	0%	0%	0%	100%
\$31,646	Maximum Hour Demand Patterns	50%	33%	18%	0%	0%	0%	0%	100%
\$169,977	100% Base	100%	0%	0%	0%	0%	0%	0%	100%
1,614,015									

Rate Year	Allocation Notes	Base	Max Day	Max Hour	Metering	Billing	Services	Fire	Total % Allocated
Laboratory									
Salaries & Wages	\$ 104,358	100% Base	0%	0%	0%	0%	0%	0%	100%
Employee Benefits	\$ 64,208	100% Base	0%	0%	0%	0%	0%	0%	100%
Annual Leave Buyback	\$ 2,750	100% Base	0%	0%	0%	0%	0%	0%	100%
Repairs & Maintenance	\$ 1,700	100% Base	0%	0%	0%	0%	0%	0%	100%
Regulatory Assessment	\$ 32,000	100% Base	0%	0%	0%	0%	0%	0%	100%
Laboratory Supplies	\$ 18,684	100% Base	0%	0%	0%	0%	0%	0%	100%
Subtotal	\$ 223,700								
Transmission and Distribution									
Salaries & Wages	\$ 418,161	Maximum Hour Demand Patterns	50%	33%	18%	0%	0%	0%	100%
Overtime	\$ 52,364	Maximum Hour Demand Patterns	50%	33%	18%	0%	0%	0%	100%
Temp Salaries	\$ 10,000	Maximum Hour Demand Patterns	50%	33%	18%	0%	0%	0%	100%
Injury Pay	\$ -	Maximum Hour Demand Patterns	50%	33%	18%	0%	0%	0%	100%
Employee Benefits	\$ 251,514	Maximum Hour Demand Patterns	50%	33%	18%	0%	0%	0%	100%
Annual Leave Buyback	\$ 10,943	Maximum Hour Demand Patterns	50%	33%	18%	0%	0%	0%	100%
Conferences & Training	\$ 4,000	Maximum Hour Demand Patterns	50%	33%	18%	0%	0%	0%	100%
Contract Services	\$ 12,430	Maximum Hour Demand Patterns	50%	33%	18%	0%	0%	0%	100%
Fire & Liability Insurance	\$ 18,748	Maximum Hour Demand Patterns	50%	33%	18%	0%	0%	0%	100%
Electricity	\$ 18,762	Maximum Hour Demand Patterns	50%	33%	18%	0%	0%	0%	100%
Heavy Equipment Rental	\$ 8,260	Maximum Hour Demand Patterns	50%	33%	18%	0%	0%	0%	100%
Gas/Vehicle Maintenance	\$ 110,305	Maximum Hour Demand Patterns	50%	33%	18%	0%	0%	0%	100%
Repairs & Maintenance	\$ 26,000	Maximum Hour Demand Patterns	50%	33%	18%	0%	0%	0%	100%
Main Maintenance	\$ 35,000	Maximum Hour Demand Patterns	50%	33%	18%	0%	0%	0%	100%
Hydrant Maintenance	\$ 35,000	100% Fire	0%	0%	0%	0%	0%	100%	100%
Service Maintenance	\$ 30,000	100% Services	0%	0%	0%	0%	100%	0%	100%
Operating Supplies	\$ 10,000	Maximum Hour Demand Patterns	50%	33%	18%	0%	0%	0%	100%
Uniforms & protective Gear	\$ 1,761	Maximum Hour Demand Patterns	50%	33%	18%	0%	0%	0%	100%
Subtotal	\$ 1,053,248								
Fire Protection	13,500	100% Fire	0%	0%	0%	0%	0%	100%	100%
Total O&M Costs	8,491,098								

	Rate Year	Allocation Notes	Base	Max Day	Max Hour	Metering	Billing	Services	Fire	Total % Allocated
CAPITAL COSTS										
Water Supply	2,012,645	100% Base	100%	0%	0%	0%	0%	0%	0%	100%
Treatment Station 1	2,320,340	Maximum Day Demand Patterns	60%	40%	0%	0%	0%	0%	0%	100%
Treatment Lawton Valley	733,339	Maximum Day Demand Patterns	60%	40%	0%	0%	0%	0%	0%	100%
Treatment Both Plants	944,055	Maximum Day Demand Patterns	60%	40%	0%	0%	0%	0%	0%	100%
T&D Pumping	93,501	Maximum Hour Demand Patterns	50%	33%	18%	0%	0%	0%	0%	100%
T&D	2,671,630	Maximum Hour Demand Patterns	50%	33%	18%	0%	0%	0%	0%	100%
Fire	46,940	100% Fire	0%	0%	0%	0%	0%	100%	0%	100%
Meters	94,745	100% Meters	0%	0%	0%	100%	0%	0%	0%	100%
Services	94,745	100 % Services	0%	0%	0%	0%	0%	100%	0%	100%
Billing	299,061	100% Billing	0%	0%	0%	0%	100%	0%	0%	100%
Total Capital Costs excluding Treatment	9,311,000									
Revenue Allowance	254,733	100% base	100%							100%
Total Costs before Offsets	18,056,831									
OFFSETS										
Nonrate Revenues										
Sundry charges	104,000	Non Admin less electricity & chemicals	64%	20%	3%	5%	5%	2%	1%	100%
WPC cost share on customer service	296,856	50/50 Split between Metering and Billing	0%	0%	0%	50%	50%	0%	0%	100%
Middletown cost share on customer service	143,506	50/50 Split between Metering and Billing	0%	0%	0%	50%	50%	0%	0%	100%
Rental of Property	108,167	Non Admin less electricity & chemicals	64%	20%	3%	5%	5%	2%	1%	100%
Water Penalty	47,500	Non Admin less electricity & chemicals	64%	20%	3%	5%	5%	2%	1%	100%
Miscellaneous	8,600	Non Admin less electricity & chemicals	64%	20%	3%	5%	5%	2%	1%	100%
Investment Interest Income	3,900	Non Admin less electricity & chemicals	64%	20%	3%	5%	5%	2%	1%	100%
Water Quality Protection Fees	22,500	100% Base	100%	0%	0%	0%	0%	0%	0%	100%
Total Nonrate Revenues	735,029									
Net Costs To Recover Through Rates	\$ 17,321,802									

	Base	Max Day	Max Hour	Metering	Billing	Services	Fire	Total \$ Allocated
Operation & Maintenance Costs								
Administration								
Salaries, Wages, & Benefits								
Salaries & Wages	175,537	53,981	9,280	14,025	13,881	4,725	2,459	273,889
AFSCME retro	-	-	-	-	-	-	-	-
NEA retro	-	-	-	-	-	-	-	-
AFSCME benefits on retro pay	-	-	-	-	-	-	-	-
NEA benefits on retro pay	-	-	-	-	-	-	-	-
Standby Salaries	8,011	2,464	424	640	634	216	112	12,500
Accrued Benefits Buyout	103,052	43,446	6,601	9,839	9,014	2,869	178	175,000
Employee Benefits	82,166	25,268	4,344	6,565	6,498	2,211	1,151	128,202
Retiree Insurance Coverage	302,679	127,607	19,389	28,900	26,474	8,427	523	514,000
Workers Compensation	50,054	21,102	3,206	4,779	4,378	1,394	87	85,000
Annual Leave Buyback	1,538	473	81	123	122	41	22	2,400
Subtotal	723,037	274,341	43,326	64,871	61,000	19,883	4,532	1,190,991

	Base	Max Day	Max Hour	Metering	Billing	Services	Fire	Total \$ Allocated
All Other Administrative Costs								
Advertisement	5,768	1,774	305	461	456	155	81	9,000
Membership Dues & Subscriptions	1,602	493	85	128	127	43	22	2,500
Conferences & Training	2,564	788	136	205	203	69	36	4,000
Tuition Reimbursement	1,282	394	68	102	101	34	18	2,000
Consultant Fees	149,353	45,929	7,896	11,933	11,811	4,020	2,092	233,033
Postage	641	197	34	51	51	17	9	1,000
Fire & Liability Insurance	49,009	15,071	2,591	3,916	3,876	1,319	687	76,468
Telephone & Communication	3,525	1,084	186	282	279	95	49	5,500
Water	1,245	383	66	99	98	33	17	1,942
Electricity	3,720	1,144	197	297	294	100	52	5,805
Natural Gas	4,648	1,429	246	371	368	125	65	7,252
Property Taxes	145,341	44,695	7,684	11,612	11,493	3,912	2,036	226,774
Legal & Administrative								
Audit Fees	2,842	982	185	103	158	52	26	4,349
OPEB Contribution	-	-	-	-	-	-	-	-
City Counsel	3,038	1,050	198	110	169	56	28	4,649
Citizens Survey	-	-	-	-	-	-	-	-
City Clerk	2,210	763	144	80	123	40	21	3,381
City Manager	35,380	12,225	2,301	1,278	1,972	647	329	54,131
Human Resources	17,737	7,478	1,136	1,694	1,551	494	31	30,121
City Solicitor	13,372	4,620	870	483	745	244	124	20,459
Finance Adiministrative 80%	12,956	4,476	843	468	722	237	120	19,822
Finance Adiministrative 5%	4,588	1,585	298	166	256	84	43	7,020
Purchasing	11,970	4,136	779	432	667	219	111	18,314
Assessment	3,723	1,596	311	61	192	61	30	5,973
Collections	-	-	-	-	46,979	-	-	46,979
Accounting 5%	6,980	2,412	454	252	389	128	65	10,679
Accounting	41,525	17,506	2,660	3,965	3,632	1,156	72	70,516
Public Safety	-	-	-	-	-	-	-	-
Facilities Maintenance	8,670	2,996	564	313	483	159	81	13,266
Data Processing	92,219	28,359	4,875	7,368	7,293	2,482	1,292	143,888
Mileage Allowance	1,282	394	68	102	101	34	18	2,000
Gasoline & Vehicle Allowance	4,812	1,480	254	384	381	130	67	7,508
Repairs & Maintenance	769	237	41	61	61	21	11	1,200
Regulatory Expense	6,409	1,971	339	512	507	172	90	10,000
Regulatory Assessment	30,825	9,479	1,630	2,463	2,438	830	432	48,096
Office Supplies	12,818	3,942	678	1,024	1,014	345	180	20,000
Self Insurance	6,409	1,971	339	512	507	172	90	10,000
Unemployment Claims	7,691	2,365	407	614	608	207	108	12,000
Subtotal	696,922	225,405	38,864	51,904	100,103	17,892	8,532	1,139,623

	Base	Max Day	Max Hour	Metering	Billing	Services	Fire	Total \$ Allocated
Customer Service								
Salaries & Wages	-	-	-	128,413	116,547	36,776	-	281,735
Benefits	-	-	-	76,935	69,825	22,033	-	168,793
Copying & binding	-	-	-	-	500	-	-	500
Conferences & Training	-	-	-	-	5,000	-	-	5,000
Support Services	-	-	-	-	26,002	-	-	26,002
Postage	-	-	-	-	31,706	-	-	31,706
Gasoline & Vehicle Allowance	-	-	-	15,233	13,825	4,363	-	33,421
Repairs & Maintenance	-	-	-	40,000	-	-	-	40,000
Meter Maintenance	-	-	-	10,000	-	-	-	10,000
Operating Supplies	-	-	-	5,000	-	-	-	5,000
Uniforms & protective Gear	-	-	-	1,000	-	-	-	1,000
Customer Service Supplies	-	-	-	-	10,343	-	-	10,343
Subtotal								

Source of Supply - Island

Salaries & Wages	258,897	-	-	-	-	-	-	258,897
Overtime	28,903	-	-	-	-	-	-	28,903
Temp Salaries	10,000	-	-	-	-	-	-	10,000
Injury Pay	-	-	-	-	-	-	-	-
Employee Benefits	134,334	-	-	-	-	-	-	134,334
Annual Leave Buyback	6,300	-	-	-	-	-	-	6,300
Electricity	42,108	-	-	-	-	-	-	42,108
Gas/Vehicle Maintenance	58,648	-	-	-	-	-	-	58,648
Repairs & Maintenance	7,425	-	-	-	-	-	-	7,425
Reservoir Maintenance	16,000	-	-	-	-	-	-	16,000
Operating Supplies	7,750	-	-	-	-	-	-	7,750
Uniforms & protective Gear	700	-	-	-	-	-	-	700
Chemicals	72,735	-	-	-	-	-	-	72,735
Subtotal								

Source of Supply - Mainland

Overtime	4,617	-	-	-	-	-	-	4,617
Temp Salaries	13,000	-	-	-	-	-	-	13,000
Permanent Part time	15,264	-	-	-	-	-	-	15,264
Employee Benefits	2,525	-	-	-	-	-	-	2,525
Electricity	120,189	-	-	-	-	-	-	120,189
Repairs & Maintenance	7,200	-	-	-	-	-	-	7,200
Reservoir Maintenance	4,500	-	-	-	-	-	-	4,500
Operating Supplies	630	-	-	-	-	-	-	630
Subtotal								

	Base	Max Day	Max Hour	Metering	Billing	Services	Fire	Total \$ Allocated
Station One (Excludes pumping and chemicals)								
Salaries & Wages	269,894	177,089	-	-	-	-	-	446,983
Overtime	36,241	23,780	-	-	-	-	-	60,021
Holiday Pay	10,292	6,753	-	-	-	-	-	17,045
Employee Benefits	168,176	110,347	-	-	-	-	-	278,523
Annual Leave Buyback	3,019	1,981	-	-	-	-	-	5,000
Conferences & Training	2,717	1,783	-	-	-	-	-	4,500
Fire & Liability Insurance	7,661	5,026	-	-	-	-	-	12,687
Electricity	252,674	-	-	-	-	-	-	252,674
Natural Gas	14,642	9,608	-	-	-	-	-	24,250
Rental of Equipment	362	238	-	-	-	-	-	600
Sewer Charge	293,020	-	-	-	-	-	-	293,020
Gas/Vehicle Maintenance	4,579	3,004	-	-	-	-	-	7,583
Repairs & Maintenance	15,095	9,905	-	-	-	-	-	25,000
Operating Supplies	15,222	9,988	-	-	-	-	-	25,210
Uniforms & protective Gear	641	421	-	-	-	-	-	1,062
Station One Pumping	11,165	7,326	3,938	-	-	-	-	22,428
Station One Chemicals	354,210	-	-	-	-	-	-	354,210
Subtotal								
Lawton Valley (Excludes pumping and chemicals)								
Salaries & Wages	277,575	182,129	-	-	-	-	-	459,704
Overtime	22,738	14,919	-	-	-	-	-	37,657
Holiday Pay	10,120	6,640	-	-	-	-	-	16,760
Employee Benefits	173,381	113,762	-	-	-	-	-	287,143
Annual Leave Buyback	2,395	1,571	-	-	-	-	-	3,966
Conferences & Training	1,811	1,189	-	-	-	-	-	3,000
Fire & Liability Insurance	11,239	7,375	-	-	-	-	-	18,614
Electricity	132,551	-	-	-	-	-	-	132,551
Natural Gas	18,059	11,850	-	-	-	-	-	29,909
Rental of Equipment	302	198	-	-	-	-	-	500
Sewer Charge	360,640	-	-	-	-	-	-	360,640
Gas/Vehicle Maintenance	4,759	3,123	-	-	-	-	-	7,882
Repairs & Maintenance	20,559	13,489	-	-	-	-	-	34,048
Operating Supplies	11,155	7,320	-	-	-	-	-	18,475
Uniforms & protective Gear	931	611	-	-	-	-	-	1,542
Lawton Valley Pumping	15,753	10,336	5,556	-	-	-	-	31,646
Lawton Valley Chemicals	169,977	-	-	-	-	-	-	169,977
Subtotal								

	Base	Max Day	Max Hour	Metering	Billing	Services	Fire	Total \$ Allocated
CAPITAL COSTS								
Water Supply	2,012,645	-	-	-	-	-	-	2,012,645
Treatment Station 1	1,401,052	919,288	-	-	-	-	-	2,320,340
Treatment Lawton Valley	442,800	290,539	-	-	-	-	-	733,339
Treatment Both Plants	570,033	374,022	-	-	-	-	-	944,055
T&D Pumping	46,545	30,540	16,417	-	-	-	-	93,501
T&D	1,329,927	872,620	469,083	-	-	-	-	2,671,630
Fire	-	-	-	-	-	-	46,940	46,940
Meters	-	-	-	94,745	-	-	-	94,745
Services	-	-	-	-	-	94,745	-	94,745
Billing	-	-	-	-	299,061	-	-	299,061
Total Capital Costs excluding Treatment	5,803,000	2,487,009	485,500	94,745	299,061	94,745	46,940	9,311,000
	62%	27%	5%	1%	3%	1%	1%	100%
Revenue Allowance	254,733	-	-	-	-	-	-	254,733
Total Costs before Offsets	10,278,662	3,551,554	668,511	371,325	572,809	187,916	95,440	15,726,217
	65%	23%	4%	2%	4%	1%	1%	100%
OFFSETS								
Nonrate Revenues								
Sundry charges	66,654	20,498	3,524	5,325	5,271	1,794	934	104,000
WPC cost share on customer service	-	-	-	148,428	148,428	-	-	296,856
Middletown cost share on customer service	-	-	-	71,753	71,753	-	-	143,506
Rental of Property	69,325	21,319	3,665	5,539	5,482	1,866	971	108,167
Water Penalty	30,443	9,362	1,609	2,432	2,407	819	427	47,500
Miscellaneous	5,512	1,695	291	440	436	148	77	8,600
Investment Interest Income	2,500	769	132	200	198	67	35	3,900
Water Quality Protection Fees	22,500	-	-	-	-	-	-	22,500
Total Nonrate Revenues	196,934	53,642	9,222	234,118	233,975	4,695	2,444	735,029
Net Costs To Recover Through Rates	\$ 10,081,728	\$ 3,497,912	\$ 659,289	\$ 137,207	\$ 338,834	\$ 183,221	\$ 92,996	\$ 14,991,188

	Base	Max Day	Max Hour	Metering	Billing	Services	Fire	Total \$ Allocated
Non-Admin O&M Costs	\$ 4,220,929	\$ 1,064,545	\$ 183,010	\$ 276,580	\$ 273,749	\$ 93,171	\$ 48,500	\$ 6,160,484
Less: Chemicals								\$ -
Station One	\$ (354,210)							\$ (354,210)
Lawton Valley	\$ (169,977)							\$ (169,977)
Source Supply	\$ (72,735)							\$ (72,735)
Electricity								\$ -
Source Supply	\$ (162,297)							\$ (162,297)
Station One	\$ -	\$ -						\$ -
Lawton Valley	\$ -	\$ -						\$ -
Costs Adjusted	\$ 3,461,710	\$ 1,064,545	\$ 183,010	\$ 276,580	\$ 273,749	\$ 93,171	\$ 48,500	\$ 5,401,265
	64%	20%	3%	5%	5%	2%	1%	100%

	Base	Max Day	Max Hour	Metering	Billing	Services	Fire	Total \$ Allocated
Non-Administrative Labor	185,087	56,918	9,785	14,788	14,637	4,982	2,593	288,789
Administration	185,087	56,918	9,785	14,788	14,637	4,982	2,593	288,789
Customer Service	0	0	0	128,413	116,547	36,776	0	281,735
Source of Supply - Island	297,800	0	0	0	0	0	0	297,800
Source of Supply - Mainland	32,881	0	0	0	0	0	0	32,881
Station One	319,446	209,602	0	0	0	0	0	529,049
Lawton Valley	312,828	205,259	0	0	0	0	0	518,087
Laboratory	107,108	0	0	0	0	0	0	107,108
Transmission/Distribution	244,651	160,526	86,292	0	0	0	0	491,468
Total	1,499,801	632,305	96,077	143,200	131,183	41,757	2,593	2,546,917
Percent	59%	25%	4%	6%	5%	2%	0%	100%

ALLOCATION PERCENTAGES		Commodity Charges					Total % Allocated
		Base Charge	Retail		Navy	Portsmouth	
Cost Category	Allocation Basis		Residential	Non-Residential			Fire
Base	Average annual demand	41%	32%	9%	18%	0%	100%
Base Excluding PWFD		50%	39%	11%	0%	0%	100%
Base Excluding PWFD & 50% Navy		53%	41%	6%	0%	0%	100%
Water Quality Protection Fees		56%	44%	0%	0%	0%	100%
Total Base to Class		43%	34%	8%	15%	0%	100%
Max Day	Estimated customer peaking factors	28%	33%	5%	15%	19%	100%
Base Excluding PWFD		32%	39%	6%	0%	23%	100%
Max Day Excluding PWFD & 50% Navy		34%	40%	3%	0%	23%	100%
Total Max Day to Class		30%	35%	5%	10%	21%	100%
Max Hour	Estimated customer peaking factors	17%	24%	4%	8%	47%	100%
Base Excluding PWFD		18%	26%	4%	0%	52%	100%
Max Hour Excluding PWFD & 50% Navy		19%	27%	2%	0%	53%	100%
Total Max Hour to Class		19%	27%	2%	0%	53%	100%
Metering	Direct Assignment	100%					100%
Billing	Direct Assignment	100%					100%
Services	Direct Assignment	100%					100%
Fire	Direct Assignment					100%	100%
Treatment Plant Avg. Day	Assured Capacity		0%	0%	0%		0%
Treatment Plant Max. Day	Assured Capacity		0%	0%	0%	0%	0%

ALLOCATION RESULTS		Commodity Charges					Total \$ Allocated	
		Base Charge	Retail		Navy	Portsmouth		
Rate Year	Residential		Commercial	Fire				
Base								
Base excluding T&D&WQPF & Pumping	8,383,327	3,447,738	2,668,626	753,996	1,512,967	8,383,327		
Transmission & Distribution	1,821,872	967,348	748,749	105,776	-	1,821,872		
Pumping	73,463	36,866	28,535	8,062	-	73,463		
Water Quality Protection Fees	(22,500)	(12,683)	(9,817)	-	-	(22,500)		
Revenue Offsets	(174,434)	(75,552)	(58,479)	(14,728)	(25,676)	(174,434)		
Administrative Charges	1,419,960	615,021	476,040	119,888	209,011	1,419,960		
Max Day								
Max Day Except T&D & Pumping	2,307,946	639,102	760,117	124,427	338,600	2,307,946		
Transmission & Distribution	1,195,406	400,594	476,447	38,996	-	1,195,406		
Pumping	48,202	15,643	18,605	3,045	-	48,202		
Revenue Offsets	(53,642)	(15,940)	(18,958)	(2,514)	(5,114)	(53,642)		
Administrative Charges	499,746	148,499	176,617	23,424	47,645	499,746		
Max Hour								
Max Hr. Except T&D & Pumping	-	-	-	-	-	-		
Transmission & Distribution	642,599	120,107	172,215	12,487	-	642,599		
Pumping	25,911	4,751	6,812	988	-	25,911		
Revenue Offsets	(9,222)	(1,722)	(2,470)	(186)	-	(9,222)		
Administrative Charges	82,190	15,351	22,010	1,657	-	82,190		
Metering								
Metering	371,325	-	-	-	-	371,325		
Revenue Offsets	(234,118)	(234,118)	-	-	-	(234,118)		
Administrative Charges	116,775	116,775	-	-	-	116,775		
Services								
Services	187,916	187,916	-	-	-	187,916		
Revenue Offsets	(4,695)	(4,695)	-	-	-	(4,695)		
Administrative Charges	37,775	37,775	-	-	-	37,775		
Billing								
Billing	572,809	572,809	-	-	-	572,809		
Revenue Offsets	(233,975)	(233,975)	-	-	-	(233,975)		
Administrative Charges	161,103	161,103	-	-	-	161,103		
Fire								
Fire	95,440	-	-	-	95,440	95,440		
Revenue Offsets	(2,444)	-	-	-	(2,444)	(2,444)		
Administrative Charges	13,065	-	-	-	13,065	13,065		
Treatment Plant Capital Costs								
Treatment Plant Avg. Day	-	-	-	-	-	-		
Treatment Plant Max. Day	-	-	-	-	-	-		
Total To Recover through Rates	\$ 17,321,802	\$ 974,916	\$ 6,305,121	\$ 5,465,049	\$ 1,175,318	\$ 2,077,433	\$ 1,323,966	\$ 17,321,802

COST OF SERVICE PER UNIT

Description of Billing Units	Metering						Total
	(1)	(2)	(2)	(2)	(2)	(3)	
Percentage of Dollars Allocated	1.5%	36.4%	31.6%	6.8%	12.0%	7.0%	100.0%
Allocated Cost	\$ 253,982	\$ 6,305,121	\$ 5,465,049	\$ 1,175,318	\$ 2,077,433	\$ 1,217,905	\$ 17,321,802
Divided by: Number of Units	207,132	629,770	487,456	180,294	403,332	161,036	
Unit Cost of Service	\$1.2262	\$10.01	\$11.21	\$6.52	\$5.15	\$7.56	
	per equiv per month	per 1000 gallons	per 1000 gallons	per 1000 gallons	per 1000 gallons	Equivalent connections	

Description of Billing Units	Billing		Services		Hydrants	
	No. of bills per year	Equivalent Connections	No. of Hydrants			
Percentage of Dollars Allocated	2.9%	1.3%	0.6%			
Allocated Cost	\$ 499,938	\$ 220,996	\$ 106,061			
Divided by: Number of Units	174,926	275,639	1,036			
Unit Cost of Service	\$2.8580	\$0.8018	\$102.3753			
	per bill	per equiv	per Hydrant			

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

Rhode Island Public Utilities Commission
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 Miscellaneous Petition For Relief
 HJS Schedule B-3
 Cost Allocation Bases

Allocation Basis	Used to allocate the following cost categories	Source Schedule	Base	Max Day	Max Hour	Metering	Billing	Services	Direct Fire Protection	Total % Allocated
Average Day Demand Patterns	<i>Supply, Laboratory</i>	N/A	100%							100%
Maximum Day Demand Patterns	<i>Treatment</i>	B-1	60%	40%	0%					100%
Maximum Hour Demand Patterns	<i>Pumping, Transmission/Distribution, Storage</i>	B-1	50%	33%	18%					100%
Fire Protection	<i>Public/Private Fire Protection Costs</i>	D-2							100%	100%
Non Admin less electricity & chemicals	<i>Administration Salaries, Wages, & Benefits</i>	B-1	64%	20%	3%	5%	5%	2%	1%	100%
Customer Service Salaries and Wages	<i>Customer Service Salaries, Wages, & Benefits</i>	B-4	0%	0%	0%	46%	41%	13%	0%	100%
Non-Administrative Wages & Salaries	<i>Administrative Labor Related</i>	B-1	59%	25%	4%	6%	5%	2%	0%	100%
Capital Costs	<i>Certain Legal and Administrative</i>	B-1	62%	27%	5%	1%	3%	1%	1%	0%
Total Non-Admin Costs before Offsets	<i>Certain Legal and Administrative</i>	B-1	65%	23%	4%	2%	4%	1%	1%	100%
Other Costs	<i>Administration Non-Salary Costs</i>	B-1	64%	20%	3%	5%	5%	2%	1%	100%
Treatment Plant Capital										

Rhode Island Public Utilities Commission
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 Miscellaneous Petition For Relief
 HJS Schedule B-4
 Allocation Analyses

Administration 15-500-2200

Salaries by Staff Position

Director of Utilities	\$	63,851
Administrative Secretary	\$	27,753
Deputy Director - Finance	\$	58,372
Deputy Director - Engineering	\$	55,027
Financial Analyst	\$	68,886
Salary \$ Allocation Results	\$	273,889

Resulting % Allocation of Administration Salaries, Wages, & Benefits

Allocation of Salary Costs								Total
Base	Max Day	Max Hour	Metering	Billing	Services	Direct Fire Protection		Allocated
64%	20%	3%	5%	5%	2%	1%		100%
64%	20%	3%	5%	5%	2%	1%		100%
64%	20%	3%	5%	5%	2%	1%		100%
64%	20%	3%	5%	5%	2%	1%		100%
\$ 175,537	\$ 53,981	\$ 9,280	\$ 14,025	\$ 13,881	\$ 4,725	\$ 2,459		\$ 273,889
64%	20%	3%	5%	5%	2%	1%		100%

Customer Service 15-500-2209

Salaries by Staff Position

Meter Repairman/Reader	\$	36,757
Meter Repairman/Reader	\$	38,996
Principal Account Clerk	\$	35,687
Meter Repairman/Reader		46,483
Maintenance Mechanic	\$	45,889
SAE - Sr. Maintenance Mechanic	\$	-
Water Meter Foreman	\$	52,523
Salary \$ Allocation Results	\$	256,335

Resulting % Allocation of Customer Service Salaries, Wages, & Benefits

			50%	50%				100%
			50%	50%				100%
				100%				100%
			100%					100%
			33%	33%	34%			100%
			100%					100%
			33%	33%	34%			100%
			\$ 116,835	\$ 106,039	\$ 33,460			\$ 256,335
0%	0%	0%	46%	41%	13%	0%		100%

Treatment Plant Capital

		Base (Avg. Day)	Max Day	Total
Treatment Station 1	\$	2,320,340	\$ 1,401,052	\$ 919,288
Treatment Lawton Valley		733,339	\$ 442,800	\$ 290,539
Treatment Both Plants		944,055	\$ 570,033	\$ 374,022
	\$	3,997,734	\$ 2,413,884	\$ 1,583,850
				\$ 3,997,734

	Residential	Non-Residential	Navy	PWFD	Fire	Treatment Plant Capacity
Capacity Reserved for Avg. Day Demand (MGD) ¹	3.05	2.36	0.95	1.64	N/A	8
% of Avg. Day Treatment Capacity	38.1%	29.5%	11.9%	20.5%	N/A	100%
Capacity Reserved for Max. Day Demand (MGD) ¹	5.18	4.98	1.395	3.00	1.44	16
% of Max. Day Treatment Capacity	32.39%	31.14%	8.72%	18.75%	9.00%	100%

¹ Per Demand study to determine required treatment capacity after DB treatment plant projects

Rhode Island Public Utilities Commission
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 Miscellaneous Petition For Relief
 HJS Schedule B-5
 Capital Functionalization

Functional Break Down of Existing Fixed Assets

	Supply	Treatment Station 1	Treatment Lawton Valley	Treatment Both Plants	T&D	T&D Pump	Fire	Meters	Services	Billing	
TRANSMISSION/DISTRIBUTION \$	24,864,792				100%						100%
LAWTON VALLEY \$	7,116,282		100%								100%
STATION 1 \$	22,516,441	100%									100%
TREATMENT BOTH \$	9,161,055			100%							100%
STORAGE \$	1,060,548				100%						100%
SOURCE OF SUPPLY \$	19,453,649	100%									100%
METERS/SERVICES \$	1,838,794							50%	50%		100%
T&D PUMPING \$	907,332					100%					100%
BILLING \$	2,902,066									100%	100%
FIRE \$	455,504						100%				100%
WORK IN PROGRESS \$	-	50%	50%								100%
Total \$	90,276,464										
LABORATORY \$	80,000	100%	0%	0%	0%	0%	0%	0%	0%	0%	100%
LAND AND ROW \$	3,594,491	22%	25%	8%	10%	29%	1%	1%	1%	3%	100%
\$	3,674,491										

Total Fixed Assets \$ 93,950,955

	Supply	Treatment Station 1	Treatment Lawton Valley	Treatment Both Plants	T&D	T&D Pump	Fire	Meters	Services	Billing	Total	
TRANSMISSION/DISTRIBUTION \$	24,864,792				24,864,792						24,864,792	
LAWTON VALLEY \$	7,116,282		7,116,282								7,116,282	
STATION 1 \$	22,516,441	22,516,441									22,516,441	
TREATMENT BOTH \$	9,161,055			9,161,055							9,161,055	
STORAGE \$	1,060,548				1,060,548						1,060,548	
SOURCE OF SUPPLY \$	19,453,649										19,453,649	
METERS/SERVICES \$	1,838,794							919,397	919,397		1,838,794	
T&D PUMPING \$	907,332					907,332					907,332	
BILLING \$	2,902,066									2,902,066	2,902,066	
FIRE \$	455,504						455,504				455,504	
WORK IN PROGRESS \$	-										-	
Total \$	90,276,464	19,453,649	22,516,441	7,116,282	9,161,055	25,925,340	907,332	455,504	919,397	919,397	2,902,066	90,276,464
		22%	25%	8%	10%	29%	1%	1%	1%	1%	3%	
LABORATORY \$	80,000	80,000										80,000
LAND AND ROW \$	3,594,491	774,576	896,525	283,345	364,761	1,032,256	36,127	18,137	36,607	36,607	115,550	3,594,491
\$	3,674,491	854,576	896,525	283,345	364,761	1,032,256	36,127	18,137	36,607	36,607	115,550	3,674,491
		23%	24%	8%	10%	28%	1%	0%	1%	1%	3%	
Total Allocated	\$ 20,308,225	\$ 23,412,966	\$ 7,399,627	\$ 9,525,816	\$ 26,957,596	\$ 943,459	\$ 473,640	\$ 956,004	\$ 956,004	\$ 3,017,616	\$ 93,950,955	
% of Total Asset Value	22%	25%	8%	10%	29%	1%	1%	1%	1%	3%		

Rhode Island Public Utilities Commission
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 Miscellaneous Petition For Relief
 HJS Schedule B-5
 Capital Functionalization

Functionalization of Capital Costs

		Supply	Treatment Station 1	Treatment Lawton Valley	Treatment Both Plants	T&D	T&D Pump	Fire	Meters	Services	Billing	
Capital Spending Restricted Account	\$ 2,500,000	22%	25%	8%	10%	29%	1%	1%	1%	1%	3%	100%
Debt Service	\$ 6,811,000	22%	25%	8%	10%	29%	1%	1%	1%	1%	3%	100%
	\$ 9,311,000											

		Supply	Treatment Station 1	Treatment Lawton Valley	Treatment Both Plants	T&D	T&D Pump	Fire	Meters	Services	Billing	Total
Capital Spending Restricted Account	\$ 2,500,000	\$ 540,394	\$ 623,010	\$ 196,901	\$ 253,478	\$ 717,332	\$ 25,105	\$ 12,603	\$ 25,439	\$ 25,439	\$ 80,298	\$ 2,500,000
Debt Service	\$ 6,811,000	1,472,250	1,697,329	536,438	690,577	1,954,298	68,396	34,337	69,306	69,306	218,763	\$ 6,811,000
	\$ 9,311,000	\$ 2,012,645	\$ 2,320,340	\$ 733,339	\$ 944,055	\$ 2,671,630	\$ 93,501	\$ 46,940	\$ 94,745	\$ 94,745	\$ 299,061	\$ 9,311,000

	Annual Demand in 1000s Gallons										Baseline	Rate Year	
	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	3-Year Average	Avg. FY 11-12
Annual Demand by Class													
Residential	773,872	780,666	736,577	716,037	749,409	734,137	780,264	690,544	644,285	640,966	618,574	634,608	629,770
Non-Residential	580,798	583,184	663,766	573,711	493,539	456,486	505,014	519,521	457,376	502,475	472,437	477,429	487,456
Navy	307,051	348,222	511,299	417,869	373,306	278,441	247,728	225,392	173,790	137,731	222,858	178,126	180,294
Portsmouth	455,142	451,723	422,944	429,465	463,253	445,232	473,338	444,777	412,324	398,827	407,837	406,329	403,332
Total (in 1000's Gallons)	2,116,863	2,163,795	2,334,586	2,137,082	2,079,508	1,914,297	2,006,344	1,880,234	1,687,775	1,679,999	1,721,705	1,696,493	1,700,852
		2.2%	7.9%	-8.5%	-2.7%	-7.9%	4.8%	-6.3%	-10.2%	-0.5%	2.5%		

	Combined Station #1 and LV WTP Production Volumes in 1,000 gals						Peaking Comparison		
	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	Production Peaks	System Peaks Estimated from Daily Demand Data	System Diversity Ratio (1)
Annual Production	2,456,363	2,524,784	2,437,440	2,440,630	2,304,024	2,165,686	2,234,855		
Average Day Production	6,730	6,917	6,678	6,687	6,312	5,933	6,123		
Maximum Month Production	256,796	269,819	280,875	254,088	268,468	256,324	262,396		
Maximum Day Production	10,165	10,724	12,100	9,800	10,163	10,118	10,140		
Max Day Date	6/28/2007	8/4/2007	7/18/2008	8/23/2010	7/23/2011	7/7/2012			
Maximum Day Peaking Factor	1.51	1.55	1.81	1.47	1.61	1.71	1.66	1.98	1.19
Max-Day to Avg. Day/Max-Month Ratio	1.19	1.23	1.34	1.20	1.17	1.22	1.20		
Maximum Hour	13,800	15,200	13,250	10,700	12,100	12,500	12,300.00		
Maximum Hour Peaking Factor	2.05	2.20	1.98	1.60	1.92	2.11	2.01	2.76	1.37
							Coincident Excluding Fire Protection	Noncoincident	

(1) Calculated according to AWWA M-1 Guidelines

Estimation of Each Customer Class' Peaking Factors

Customer Class	Max Day Demand	Max Hour Demand
	Factor From Daily Read Demand Study	Factor From Daily Read Demand Study
Residential	1.82	2.43
Non-Residential	2.26	3.39
Navy	1.73	2.31
Portsmouth	1.99	2.65
Fire (5)		
Estimated Systemwide Peaks	1.98	2.76

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

Customer Class	Rate Year Demand (1,000 gallons)							Allocation of UAW for Demand Analysis
	Annual Demand	Average Daily Demand	Lost Water Adjustment	Adjusted Average Daily Demand	% Average Demand by Class	% Average Demand Ex PWFD & 50% Navy	% Average Demand Ex PWFD	
Residential	629,770	1,725	793	2,518	41.13%	53%	50%	54.2%
Non-Residential	487,456	1,335	614	1,949	31.83%	41%	39%	41.9%
Navy	180,294	494	57	551	8.99%	6%	11%	3.9%
Portsmouth	403,332	1,105	-	1,105	18.05%	0%	0%	
Fire					N/A	N/A	N/A	
Total, w Fire Prot.	1,700,852	4,660	24%	6,123	100%	100%	100%	
			(1)					
Production	2,234,855	6,123	23.89%					

Customer Class	Max Day Calculations				% of Daily Peaks			Max Hour Calculations			% of Hourly Peaks		
	Max Day Peaking Factor	Demand x Peaking Factor (3)	Incremental Peak Demand	% of Daily Peaks	With Full PWFD & Navy	Without PWFD & 50% Navy	Without PWFD	Max Hour Peaking Factor	Demand x Peaking Factor (3)	Incremental Peak Demand	With Full PWFD & Navy	Without PWFD & 50% Navy	Without PWFD
Residential	1.82	4,583	2,065	27.7%	27.7%	33.5%	32.5%	2.43	6,119	1,536	16.9%	18.7%	18.3%
Non-Residential	2.26	4,405	2,456	32.9%	32.9%	39.9%	38.6%	3.39	6,607	2,202	24.2%	26.8%	26.3%
Navy	1.73	953	402	5.4%	5.4%	3.3%	6.3%	2.31	1,272	319	3.5%	1.9%	3.8%
Portsmouth	1.99	2,199	1,094	14.7%	14.7%	0.0%	0.0%	2.65	2,928	729	8.0%	0.0%	0.0%
Fire	(2)	1,440	1,440	19.3%	19.3%	23.4%	22.6%		5,760	4,320	47.4%	52.6%	51.6%
Total, w Fire Prot.		13,580	7,457	100.0%	100.0%	100.0%	100.0%		22,687	9,107	100.0%	100.0%	100.0%
Total, without Fire Protection		12,140	6,017						16,927	4,787			

(demand is in thousands of gallons)

(1) From HJS Schedule D-4 . The lost water adjustment is made to the peaking analysis so that Portsmouth will not share in that portion of certain operating costs. Navy allocation is reduced to 25%.
(2) From HJS Schedule B-11 , Fire Protection Demand Analysis'.

EACH RATE CLASS' SHARE OF SYSTEM PEAKS

Rate Class	Average Demand	Daily Peaks	Hourly Peaks
Retail			
Residential	41%	28%	17%
Non-Residential	32%	33%	24%
Navy	9%	5%	4%
Portsmouth	18%	15%	8%
Fire	N/A	19%	47%
	100%	100%	100%

Percentages are from HJS Schedule B-9 , 'System Demands Imposed by Each Customer Class' Peaking Behavior '.

BASE/EXTRA-CAPACITY DISTRIBUTION OF SYSTEM PEAKS

	Incremental Demand	% Distribution for Max Day	% Distribution for Max Hour
Base	6,123	60.4%	49.8%
Extra Capacity			
Max Day	4,017	39.6%	32.7%
Max Hour	2,160		17.6%
Fire Protection			
Max Day	-	0.0%	0.0%
Max Hour	-		0.0%
Total%		100.0%	100.0%
Total 1000's Gallons		10,140	12,300

Incremental demand data is from HJS Schedule B-11 , Fire Protection Demand Analysis'.
and from HJS Schedule B-9 , 'System Demands Imposed by Each Customer Class' Peaking Behavior '.

Rhode Island Public Utilities Commission
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Miscellaneous Petition For Relief
HJS Schedule B-11
Fire Protection Demand Analysis

Docket No. XXXX

FIRE PROTECTION ASSUMPTIONS

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

Rhode Island Public Utilities Commission
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 Miscellaneous Petition For Relief
 HJS Schedule D-1
 Water Accounts, by Size and Class

Connection Size	Meter Factors	NON-RESIDENTIAL				RESIDENTIAL				WHOLESALE (Monthly)			
		Meter Read Frequency		Equivalent Meters		Meter Read Frequency		Equivalent Meters		Navy		Portsmouth	
		Monthly	Quarterly	Monthly	Quarterly	Monthly	Quarterly	Monthly	Quarterly	Meters	Equivalents	Meters	Equivalents
5/8	1.0	674	0	674	0	10,091	0	10091	0	0	0	0	0
3/4	1.1	226	0	249	0	2,251	0	2476	0	1	1	0	0
1	1.4	183	0	256	0	373	0	522	0	0	0	0	0
1.5	1.8	174	0	313	0	187	0	337	0	3	5	0	0
2	2.9	189	0	548	0	85	0	247	0	0	0	0	0
3	11.0	44	0	484	0	23	0	253	0	0	0	0	0
4	14.0	13	0	182	0	1	0	14	0	0	0	1	14
5	18.0	1	0	18	0	-	0	0	0	0	0	0	0
6	21.0	12	0	252	0	4	0	84	0	8	168	0	0
8	29.0	-	0	0	0	1	0	29	0	0	0	0	0
10	43.5	-	0	0	0	-	0	0	0	1	44	0	0
Total	14,546	1,516	0	2,976	0	13,016	0	14,053	0	13	218	1	14

Billed Monthly
 Billed Quarterly
 Billed Annually

Equivalent Billing Units	
14,546	174,552
-	-
374	374
Total	174,926

Equivalent Meter Units	
17,261	207,132
-	-
N/A	N/A
Total	207,132

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 Miscellaneous Petition For Relief
 HJS Schedule D-2
 Fire Protection Accounts

	Connection Size	Existing Differential	Number of Connections	Equivalent Connections (2)	% of Equiv Connections
Public Hydrants					
Newport	6	111.31	619	68,901	
Middletown	6	111.31	408	45,415	
Portsmouth	6	111.31	9	1,002	
Subtotal: Public Hydrants			1036	115,318	72%
Private Fire Connections					
	2	6.19	4	25	
	4	38.32	61	2,337	
	6	111.31	245	27,271	
	8	237.21	62	14,707	
	10	426.58	0	-	
	12	689.04	2	1,378	
Subtotal: Private Fire Connections			374	45,718	28%
Total Fire Connections			1,410	161,036	100%

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

General Water Service

Connection Size	Service Cost	No. of Services	Equivalent Connections	% of Equiv Connections
5/8	1.000	10,765	10,765	
3/4	1.000	2,478	2,478	
1	1.860	556	1,034	
1.5	4.630	364	1,685	
2	6.150	274	1,685	
3	11.060	67	741	
4	11.060	15	166	
5	11.060	1	11	
6	11.060	24	265	
8	11.060	1	11	
10	11.060	1	11	
Subtotal General Service		14,546	18,853	82%
Private Fire Connections				
2	6.150	4	25	
4	11.060	61	675	
6	11.060	245	2,710	
8	11.060	62	686	
10	11.060	0	-	
12	11.060	2	22	
Subtotal: Private Fire Connections		374	4,117	18%
Annualized Total Retail & Private Fire Connections		14,920	275,639	100%

Rhode Island Public Utilities Commission
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 Miscellaneous Petition For Relief
 HJS Schedule D-3
 Production Summary

	Station #1			Lawton Valley			Combined	
	In Gallons	in 1000's		In Gallons	in 1000's		In Gallons	in 1000's
FY 07 JULY 2006 - JUNE 2007	1,176,356,210	1,176,356		1,280,006,852	1,280,007		2,456,363,062	2,456,363
Max. Month June	116,724,700	116,725	August	140,288,300	140,288	August	256,795,580	256,796
FY 08 JULY 2007 - JUNE 2008	1,268,356,660	1,268,357		1,256,427,700	1,256,428		2,524,784,360	2,524,784
Max. Month August	141,803,530	141,804	July	144,557,900	144,558	July	269,819,450	269,819
FY 09 JULY 2008 - JUNE 2009	1,152,697,400	1,152,697		1,284,742,500	1,284,743		2,437,439,900	2,437,440
Max. Month March	110,288,000	110,288	July	177,163,200	177,163	July	280,874,500	280,875
FY 10 JULY 2009 - JUNE 2010	1,333,422,150	1,333,422		1,107,207,665	1,107,208		2,440,629,815	2,440,630
Max. Month October	121,112,610	121,113	August 2009	139,731,200	139,731	August 2009	254,088,090	254,088
FY 11 JULY 2010 - JUNE 2011	1,242,460,000	1,242,460		1,061,564,200	1,061,564		2,304,024,200	2,304,024
Max. Month July	136,103,000	136,103	August 2010	133,325,700	133,326	July 2010	268,467,600	268,468
FY 12 JULY 2011 - JUNE 2012	981,876,000	981,876		1,183,810,000	1,183,810		2,165,685,750	2,165,686
Max. Month July	110,561,700	110,562	July	145,762,000	145,762	July	256,323,700	256,324

MAX DAY PRODUCTION AVAILABLE FOR SALE

	Station #1		Date	Lawton Valley		Date	Combined	
	Max Day Production			Max Day Production			Max Day Production	
	In Gallons	in 1000's		In Gallons	in 1000's		In Gallons	in 1000's
FY 07 JULY 2006 - JUNE 2007	5,114,940	5,115	8/14/2006	5,958,100	5,958	6/28/2007	10,165,100	10,165
	includes booster to LV at 1,256,000 Gallons							
FY 08 JULY 2007 - JUNE 2008	6,179,670	6,180	6/10/2008	6,805,400	6,805	8/4/2007	10,723,620	10,724
	includes booster to LV at 2,251,000 Gallons							
FY 09 JULY 2008 - JUNE 2009	4,341,000	4,341	7/18/2008	7,845,700	7,846	7/18/2008	12,100,100	12,100
	includes booster to LV at 324,000 Gallons							
FY 10 JULY 2009 - JUNE 2010	4,664,000	4,664	8/27/2009	6,168,500	6,169	8/23/2010	9,800,400	9,800
FY 11 JULY 2010 - JUNE 2011	5,729,355	5,729	8/3/2011	5,654,800	5,655	7/23/2011	10,162,555	10,163
FY 12 JULY 2011 - JUNE 2012	4,624,292	4,624	7/7/2012	5,869,900	5,870	7/7/2012	10,118,190	10,118

PEAK HOURLY FLOW

	Date	Station #1		Date	Lawton Valley	
FY 07 JULY 2006 - JUNE 2007	7/6/2006	5.8	MGD	7/1/2006	8.0	MGD
FY 08 JULY 2007 - JUNE 2008	8/26/2007	7.2	MGD	6/18/2008	8.0	MGD
FY 09 JULY 2008 - JUNE 2009	7/18/2008	5.25	MGD	7/18/2008	8.0	MGD
FY 10 JULY 2009 - JUNE 2010	9/2/2009	4.70	MGD	9/2/2009	6.0	MGD
FY 11 JULY 2010 - JUNE 2011	10/15/2010	6.10	MGD	10/15/2010	6.0	MGD
FY 12 JULY 2011 - JUNE 2012	7/5/2011	6.50	MGD	7/7/2011	6.0	MGD

Rhode Island Public Utilities Commission
 Docket ????
 Miscellaneous Petition For Relief
 HJS Schedule D-4
 Demand Summary

	FY 2009	FY 2010	FY 2011	FY 2012
Fiscal Year Annual Demand				
Residential	690,544	644,285	640,966	618,574
Non-Residential	519,521	457,376	502,475	472,437
Navy	225,392	173,790	137,731	222,858
Portsmouth	444,777	412,324	398,827	407,837
Total 1000's Gallons	1,880,234	1,687,775	1,679,999	1,721,705
	-6.3%	-10.2%	-0.5%	2.5%

	(1000's of gallons)	FY 2009	FY 2010
Max Month Demand			
Residential		83,630	
Commercial		61,978	
Navy		24,640	
Portsmouth		61,048	
NonCoincident Max Month		231,296	
Coincident Max Month		201,008	
Production Volume, Max Month		280,875	

Unaccounted for Water Analysis

	FY 2010	FY 2011	FY 2012	Average
Billed Consumption (1,000 gals.)	1,687,775	1,679,999	1,721,705	1,700,852
Total Water Produced (1,000 gals.)	2,440,630	2,304,024	2,165,686	2,234,855
Unaccounted for Water (1,000 gals.)	752,855	624,026	443,980	534,003
Percent Unaccounted for Water	30.85%	27.08%	20.50%	23.89%

Rhode Island Public Utilities Commission
 Docket ????
 Miscellaneous Petition For Relief
 HJS Schedule D-5
 Development of Pumping Costs

Pumping Labor and Benefits

Station One		Lawton Valley	
Labor hours per day pump	0.5000	Labor hours per day pumping	0.2500
Days per year	365	Days per year	365
Total Hours	182.5000	Total Hours	91.2500
Average per hour pay	\$23.06	Average per hour pay	\$22.07
Average per hour benefits	\$10.82	Average per hour benefits	\$11.69
Pumping Salaries	\$4,208.45	Pumping Salaries	\$2,013.89
Pumping Benefits	\$1,974.65	Pumping Benefits	\$1,066.71

Pumping Repairs and Supplies

Station One		Lawton Valley	
50275 Repair & Maintenance - Equipment		Repair & Maintenance - Equipment	
None	\$0.00	Vendor	amount
Total Repair & Maintenance Pumping	\$0.00	NAPA Auto Partd	\$622.90
		Ralco Electric	\$328.83
		Total Repair & Maintenance Pumping	\$951.73
50311 Operating Supplies		Operating Supplies	
Vendor	amount	Vendor	amount
National Electric Testing	\$60.00	National Electric Testing	\$300.00
ABB Inc.	\$1,122.00	Ralco Electric	\$525.00
RE Erickson	\$1,140.00	Harbor Controls	\$1,000.00
Ralco	\$268.00		
Total - Operating Supplies - Pumping	\$2,590.00	Total Operating Supplies Pumping	\$1,825.00

Pumping Electricity

Station One		Lawton Valley	
Annual Pumping Power	\$13,655	Annual Pumping Power	\$25,789

Total Pumping Costs

Station One		Lawton Valley	
Pumping Salaries	\$4,208	Pumping Salaries	\$2,014
Pumping Benefits	\$1,975	Pumping Benefits	\$1,067
Total Repair & Maintenance Pumping	\$0	Total Repair & Maintenance Pumping	\$952
Total - Operating Supplies - Pumping	\$2,590	Total Operating Supplies Pumping	\$1,825
Annual Pumping Power	\$13,655	Annual Pumping Power	\$25,789
Total Annual Pumping Costs	\$22,428	Total Annual Pumping Costs	\$31,646

Rhode Island Public Utilities Commission
 Docket ????
 Miscellaneous Petition For Relief
 HJS Schedule D-6
 Debt Service Restricted Account Cashflow

FY 2013 (Actual)													
July	August	September	October	November	December	January	February	March	April	May	June		
Debt Service Account													
Beginning Cash Balance	\$ 8,975,325	\$ 9,107,773	\$ 9,240,220	\$ 8,134,553	\$ 8,267,001	\$ 8,010,694	\$ 8,010,694	\$ 1,475,292	\$ 1,607,739	\$ 1,037,970	\$ 1,170,417	\$ 1,302,864	Annual Contribution From Rates \$1,778,786
Additions													
From Rates	\$132,447	\$132,447	\$132,447	\$132,447	\$132,447	-	\$264,895	\$132,447	\$132,447	\$132,447	\$132,447	\$321,865	
From Capital Restricted Acct.	-	-	-	-	-	-	-	-	-	-	-	-	
Interest Income	0	0	0	0	0	0	19	0	0	0	0	9	
Total Additions	\$ 132,447	\$ 132,447	\$ 132,447	\$ 132,447	\$ 132,447	\$ 0	\$ 264,914	\$ 132,447	\$ 132,447	\$ 132,447	\$ 132,447	\$ 321,874	
Deductions													
To Capital Restricted Acct.	-	-	-	-	-	-	-	-	-	-	-	-	
Existing Debt Service	-	-	1,238,114	-	388,755	-	-	-	702,217	-	-	-	Annual Debt Service \$ 2,329,086
Total Deductions	\$ -	\$ -	\$ 1,238,114	\$ -	\$ 388,755	\$ -	\$ -	\$ -	\$ 702,217	\$ -	\$ -	\$ -	
Ending Cash Balance	\$ 9,107,773	\$ 9,240,220	\$ 8,134,553	\$ 8,267,001	\$ 8,010,694	\$ 8,010,694	\$ 1,475,292	\$ 1,607,739	\$ 1,037,970	\$ 1,170,417	\$ 1,302,864	\$ 1,624,738	

FY 2014 (Projected)													
July	August	September	October	November	December	January	February	March	April	May	June		
Debt Service Account													
Beginning Cash Balance	\$ 1,624,738	\$ 1,936,007	\$ 850,248	\$ 1,161,524	\$ 1,472,779	\$ 1,773,422	\$ 2,084,681	\$ 2,395,932	\$ 2,707,184	\$ 1,675,533	\$ 1,986,784	\$ 2,298,036	Annual Contribution From Rates \$3,735,016
Additions													
From Rates	\$311,251	\$311,251	\$311,251	\$311,251	\$311,251	\$311,251	\$311,251	\$311,251	\$311,251	\$311,251	\$311,251	\$311,251	
From Capital Restricted Acct.	-	-	-	-	-	-	-	-	-	-	-	-	
Interest Income	17	22	24	4	-	8	-	-	-	-	-	-	
Total Additions	\$ 311,269	\$ 311,274	\$ 311,275	\$ 311,256	\$ 311,251	\$ 311,259	\$ 311,251	\$ 311,251	\$ 311,251	\$ 311,251	\$ 311,251	\$ 311,251	
Deductions													
To Capital Restricted Acct.	-	-	-	-	-	-	-	-	-	-	-	-	
Existing Debt Service	-	1,397,032	-	-	10,609	-	-	-	1,342,902	-	-	-	Annual Debt Service 2,750,543
Total Deductions	\$ -	\$ 1,397,032	\$ -	\$ -	\$ 10,609	\$ -	\$ -	\$ -	\$ 1,342,902	\$ -	\$ -	\$ -	
Ending Cash Balance	\$ 1,936,007	\$ 850,248	\$ 1,161,524	\$ 1,472,779	\$ 1,773,422	\$ 2,084,681	\$ 2,395,932	\$ 2,707,184	\$ 1,675,533	\$ 1,986,784	\$ 2,298,036	\$ 2,609,287	

FY 2015 (Projected)												
July	August	September	October	November	December	January	February	March	April	May	June	
Debt Service Account												
Beginning Cash Balance	\$ 2,609,287	\$ 3,176,870	\$ 3,744,454	\$ 105,881	\$ 673,465	\$ 1,241,048	\$ 1,808,631	\$ 2,376,215	\$ 2,943,798	\$ 2,079,292	\$ 2,646,875	\$ 3,214,458
Additions												
From Rates	\$567,583	\$567,583	\$567,583	\$567,583	\$567,583	\$567,583	\$567,583	\$567,583	\$567,583	\$567,583	\$567,583	\$567,583
From Capital Restricted Acct.	-	-	-	-	-	-	-	-	-	-	-	-
Interest Income	-	-	-	-	-	-	-	-	-	-	-	-
Total Additions	\$ 567,583	\$ 567,583	\$ 567,583	\$ 567,583	\$ 567,583	\$ 567,583	\$ 567,583	\$ 567,583	\$ 567,583	\$ 567,583	\$ 567,583	\$ 567,583
Deductions												
To Capital Restricted Acct.	-	-	-	-	-	-	-	-	-	-	-	-
Existing Debt Service	-	-	4,206,156	-	-	-	-	-	1,432,090	-	-	-
Total Deductions	\$ -	\$ -	\$ 4,206,156	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,432,090	\$ -	\$ -	\$ -
Ending Cash Balance	\$ 3,176,870	\$ 3,744,454	\$ 105,881	\$ 673,465	\$ 1,241,048	\$ 1,808,631	\$ 2,376,215	\$ 2,943,798	\$ 2,079,292	\$ 2,646,875	\$ 3,214,458	\$ 3,782,042

Annual Contribution From Rates
\$6,811,000

Annual Debt Service
\$ 5,638,245

FY 2016 (Projected)												
July	August	September	October	November	December	January	February	March	April	May	June	
Debt Service Account												
Beginning Cash Balance	\$ 3,782,042	\$ 4,349,625	\$ 4,917,208	\$ 70,173	\$ 637,756	\$ 1,205,339	\$ 1,772,923	\$ 2,340,506	\$ 2,908,089	\$ 2,080,113	\$ 2,647,696	\$ 3,215,280
Additions												
From Rates	\$567,583	\$567,583	\$567,583	\$567,583	\$567,583	\$567,583	\$567,583	\$567,583	\$567,583	\$567,583	\$567,583	\$567,583
From Capital Restricted Acct.	-	-	-	-	-	-	-	-	-	-	-	-
Interest Income	-	-	-	-	-	-	-	-	-	-	-	-
Total Additions	\$ 567,583	\$ 567,583	\$ 567,583	\$ 567,583	\$ 567,583	\$ 567,583	\$ 567,583	\$ 567,583	\$ 567,583	\$ 567,583	\$ 567,583	\$ 567,583
Deductions												
To Capital Restricted Acct.	-	-	-	-	-	-	-	-	-	-	-	-
Existing Debt Service	-	-	5,414,619	-	-	-	-	-	1,395,559	-	-	-
Total Deductions	\$ -	\$ -	\$ 5,414,619	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,395,559	\$ -	\$ -	\$ -
Ending Cash Balance	\$ 4,349,625	\$ 4,917,208	\$ 70,173	\$ 637,756	\$ 1,205,339	\$ 1,772,923	\$ 2,340,506	\$ 2,908,089	\$ 2,080,113	\$ 2,647,696	\$ 3,215,280	\$ 3,782,863

Annual Contribution From Rates
\$6,811,000

Annual Debt Service
\$ 6,810,178

FY 2017 (Projected)												
July	August	September	October	November	December	January	February	March	April	May	June	
Debt Service Account												
Beginning Cash Balance	\$ 3,782,863	\$ 4,350,446	\$ 4,918,030	\$ 35,939	\$ 603,522	\$ 1,171,106	\$ 1,738,689	\$ 2,306,272	\$ 2,873,856	\$ 2,086,129	\$ 2,653,712	\$ 3,221,296
Additions												
From Rates	\$567,583	\$567,583	\$567,583	\$567,583	\$567,583	\$567,583	\$567,583	\$567,583	\$567,583	\$567,583	\$567,583	\$567,583
From Capital Restricted Acct.	-	-	-	-	-	-	-	-	-	-	-	-
Interest Income	-	-	-	-	-	-	-	-	-	-	-	-
Total Additions	\$ 567,583	\$ 567,583	\$ 567,583	\$ 567,583	\$ 567,583	\$ 567,583	\$ 567,583	\$ 567,583	\$ 567,583	\$ 567,583	\$ 567,583	\$ 567,583
Deductions												
To Capital Restricted Acct.	-	-	-	-	-	-	-	-	-	-	-	-
Existing Debt Service	-	-	5,449,674	-	-	-	-	-	1,355,310	-	-	-
Total Deductions	\$ -	\$ -	\$ 5,449,674	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,355,310	\$ -	\$ -	\$ -
Ending Cash Balance	\$ 4,350,446	\$ 4,918,030	\$ 35,939	\$ 603,522	\$ 1,171,106	\$ 1,738,689	\$ 2,306,272	\$ 2,873,856	\$ 2,086,129	\$ 2,653,712	\$ 3,221,296	\$ 3,788,879

Annual Contribution From Rates
\$6,811,000

Annual Debt Service
\$ 6,804,984

FY 2018 (Projected)												
July	August	September	October	November	December	January	February	March	April	May	June	
Debt Service Account												
Beginning Cash Balance	\$ 3,788,879	\$ 4,356,462	\$ 4,924,046	\$ 1,355	\$ 568,938	\$ 1,136,521	\$ 1,704,105	\$ 2,271,688	\$ 2,839,271	\$ 2,096,813	\$ 2,664,396	\$ 3,231,980
Additions												
From Rates	\$567,583	\$567,583	\$567,583	\$567,583	\$567,583	\$567,583	\$567,583	\$567,583	\$567,583	\$567,583	\$567,583	\$567,583
From Capital Restricted Acct.	-	-	-	-	-	-	-	-	-	-	-	-
Interest Income	-	-	-	-	-	-	-	-	-	-	-	-
Total Additions	\$ 567,583	\$ 567,583	\$ 567,583	\$ 567,583	\$ 567,583	\$ 567,583	\$ 567,583	\$ 567,583	\$ 567,583	\$ 567,583	\$ 567,583	\$ 567,583
Deductions												
To Capital Restricted Acct.	-	-	-	-	-	-	-	-	-	-	-	-
Existing Debt Service	-	-	5,490,274	-	-	-	-	-	1,310,042	-	-	-
Total Deductions	\$ -	\$ -	\$ 5,490,274	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,310,042	\$ -	\$ -	\$ -
Ending Cash Balance	\$ 4,356,462	\$ 4,924,046	\$ 1,355	\$ 568,938	\$ 1,136,521	\$ 1,704,105	\$ 2,271,688	\$ 2,839,271	\$ 2,096,813	\$ 2,664,396	\$ 3,231,980	\$ 3,799,563

Annual Contribution From Rates
\$6,811,000

Annual Debt Service
\$ 6,800,316

FY 2019 (Projected)												
July	August	September	October	November	December	January	February	March	April	May	June	
Debt Service Account												
Beginning Cash Balance	\$ 3,799,563	\$ 4,367,146	\$ 4,934,730	\$ 90,095	\$ 657,679	\$ 1,225,262	\$ 1,792,845	\$ 2,360,429	\$ 2,928,012	\$ 2,236,215	\$ 2,803,798	\$ 3,371,381
Additions												
From Rates	\$567,583	\$567,583	\$567,583	\$567,583	\$567,583	\$567,583	\$567,583	\$567,583	\$567,583	\$567,583	\$567,583	\$567,583
From Capital Restricted Acct.	-	-	125,000	-	-	-	-	-	-	-	-	-
Interest Income	-	-	-	-	-	-	-	-	-	-	-	-
Total Additions	\$ 567,583	\$ 567,583	\$ 692,583	\$ 567,583	\$ 567,583	\$ 567,583	\$ 567,583	\$ 567,583	\$ 567,583	\$ 567,583	\$ 567,583	\$ 567,583
Deductions												
To Capital Restricted Acct.	-	-	-	-	-	-	-	-	-	-	-	-
Existing Debt Service	-	-	5,537,218	-	-	-	-	-	1,259,381	-	-	-
Total Deductions	\$ -	\$ -	\$ 5,537,218	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,259,381	\$ -	\$ -	\$ -
Ending Cash Balance	\$ 4,367,146	\$ 4,934,730	\$ 90,095	\$ 657,679	\$ 1,225,262	\$ 1,792,845	\$ 2,360,429	\$ 2,928,012	\$ 2,236,215	\$ 2,803,798	\$ 3,371,381	\$ 3,938,965

Annual Contribution From Rates
\$6,811,000

Annual Debt Service
\$ 6,796,598

FY 2020												
July	August	September	October	November	December	January	February	March	April	May	June	
Debt Service Account												
Beginning Cash Balance	\$ 3,938,965	\$ 4,506,548	\$ 5,074,131	\$ 51,517	\$ 619,101	\$ 1,186,684	\$ 1,754,267	\$ 2,321,851	\$ 2,889,434	\$ 2,252,862	\$ 2,820,445	\$ 3,388,029
Additions												
From Rates	\$567,583	\$567,583	\$567,583	\$567,583	\$567,583	\$567,583	\$567,583	\$567,583	\$567,583	\$567,583	\$567,583	\$567,583
From Capital Restricted Acct.	-	-	-	-	-	-	-	-	-	-	-	-
Interest Income	-	-	-	-	-	-	-	-	-	-	-	-
Total Additions	\$ 567,583	\$ 567,583	\$ 567,583	\$ 567,583	\$ 567,583	\$ 567,583	\$ 567,583	\$ 567,583	\$ 567,583	\$ 567,583	\$ 567,583	\$ 567,583
Deductions												
To Capital Restricted Acct.	-	-	-	-	-	-	-	-	-	-	-	-
Existing Debt Service	-	-	5,590,197	-	-	-	-	-	1,204,155	-	-	-
Total Deductions	\$ -	\$ -	\$ 5,590,197	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,204,155	\$ -	\$ -	\$ -
Ending Cash Balance	\$ 4,506,548	\$ 5,074,131	\$ 51,517	\$ 619,101	\$ 1,186,684	\$ 1,754,267	\$ 2,321,851	\$ 2,889,434	\$ 2,252,862	\$ 2,820,445	\$ 3,388,029	\$ 3,955,612

Annual Contribution From Rates
\$6,811,000

Annual Debt Service
\$ 6,794,353

FY 2021												
	July	August	September	October	November	December	January	February	March	April	May	June
Debt Service Account												
Beginning Cash Balance	\$ 3,955,612	\$ 4,523,195	\$ 5,090,779	\$ 13,783	\$ 581,366	\$ 1,148,949	\$ 1,716,533	\$ 2,284,116	\$ 2,851,699	\$ 2,275,547	\$ 2,843,131	\$ 3,410,714
Additions												
From Rates	\$567,583	\$567,583	\$567,583	\$567,583	\$567,583	\$567,583	\$567,583	\$567,583	\$567,583	\$567,583	\$567,583	\$567,583
From Capital Restricted Acct.	-	-	-	-	-	-	-	-	-	-	-	-
Interest Income	-	-	-	-	-	-	-	-	-	-	-	-
Total Additions	\$ 567,583	\$ 567,583	\$ 567,583	\$ 567,583	\$ 567,583	\$ 567,583	\$ 567,583	\$ 567,583	\$ 567,583	\$ 567,583	\$ 567,583	\$ 567,583
Deductions												
To Capital Restricted Acct.	-	-	-	-	-	-	-	-	-	-	-	-
Existing Debt Service	-	-	5,644,579	-	-	-	-	-	1,143,735	-	-	-
Total Deductions	\$ -	\$ -	\$ 5,644,579	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,143,735	\$ -	\$ -	\$ -
Ending Cash Balance	\$ 4,523,195	\$ 5,090,779	\$ 13,783	\$ 581,366	\$ 1,148,949	\$ 1,716,533	\$ 2,284,116	\$ 2,851,699	\$ 2,275,547	\$ 2,843,131	\$ 3,410,714	\$ 3,978,297

Annual Contribution From Rates
\$6,811,000

Annual Debt Service
\$ 6,788,314

FY 2022												
	July	August	September	October	November	December	January	February	March	April	May	June
Debt Service Account												
Beginning Cash Balance	\$ 3,978,297	\$ 4,545,881	\$ 5,113,464	\$ (20,916)	\$ 546,668	\$ 1,114,251	\$ 1,681,834	\$ 2,249,418	\$ 2,817,001	\$ 2,305,984	\$ 2,873,567	\$ 3,441,151
Additions												
From Rates	\$567,583	\$567,583	\$567,583	\$567,583	\$567,583	\$567,583	\$567,583	\$567,583	\$567,583	\$567,583	\$567,583	\$567,583
From Capital Restricted Acct.	-	-	-	-	-	-	-	-	-	-	-	-
Interest Income	-	-	-	-	-	-	-	-	-	-	-	-
Total Additions	\$ 567,583	\$ 567,583	\$ 567,583	\$ 567,583	\$ 567,583	\$ 567,583	\$ 567,583	\$ 567,583	\$ 567,583	\$ 567,583	\$ 567,583	\$ 567,583
Deductions												
To Capital Restricted Acct.	-	-	-	-	-	-	-	-	-	-	-	-
Existing Debt Service	-	-	5,701,963	-	-	-	-	-	1,078,600	-	-	-
Total Deductions	\$ -	\$ -	\$ 5,701,963	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,078,600	\$ -	\$ -	\$ -
Ending Cash Balance	\$ 4,545,881	\$ 5,113,464	\$ (20,916)	\$ 546,668	\$ 1,114,251	\$ 1,681,834	\$ 2,249,418	\$ 2,817,001	\$ 2,305,984	\$ 2,873,567	\$ 3,441,151	\$ 4,008,734

Annual Contribution From Rates
\$6,811,000

Annual Debt Service
\$ 6,780,564

Rhode Island Public Utilities Commission
 Docket ????
 Miscellaneous Petition For Relief
 HJS Schedule D-7
 Demand Factor Calculations

Demand Factors For COS Model	Residential	Non-Residential	Navy	PWFD
Summer 2011 Max. Day Demand Factor	1.78	2.18	1.49	1.91
Summer 2012 Max. Day Demand Factor	1.86	2.35	1.97	2.07
Two Year Average Max. Day Demand Factor	1.82	2.26	1.73	1.99
Summer 2011 Max. Hour Demand Factor	2.37	3.27	1.99	2.54
Summer 2012 Max. Hour Demand Factor	2.49	3.52	2.62	2.75
Two Year Average Max. Hour Demand Factor	2.43	3.39	2.31	2.65

Rhode Island Public Utilities Commission
 Docket ????
 Miscellaneous Petition For Relief
 HJS Schedule D-7
 Demand Factor Calculations

Summer 2011

	Residential	Commercial	Navy	PWFD
Annual Average Day ¹	16,973	58,419	421,795	1,128,293
Daily Read Maximum Day ²	30,139	127,359	630,462	2,153,297
Maximum Day Demand Factor	1.78	2.18	1.49	1.91

1-Total Consumption by Daily Read Accounts for 12 Mo. Including Daily Sample Period/365

2 - Class maximum day from daily read data

Max Day Diversity Factor Calculation	Residential	Commercial	Navy	PWFD	
Class Average Day (mgd)	2.60	1.94	0.51	1.13	
Class MD Demand Factor	1.78	2.18	1.49	1.91	Total MD Demand
Max Day Demand (Avg. Day X MD Demand Factor)	4.62	4.23	0.76	2.15	11.8
System Average Day (mgd)	6.2				
System Maximum Day (mgd)	10.2				
System Maximum Hour (mgd)	12.1				
Noncoincident MD Capacity Factor	11.8	/	6.2	=	1.90
Coincident MD Capacity Factor	10.2	/	6.2	=	1.65
System MD Diversity	1.90	/	1.65	=	1.16

Maximum Hour Demand Factor Calculation

	Residential	Commercial	Navy	PWFD
MD Capacity Factor	1.78	2.18	1.49	1.91
Estimated Maximum-Hour (MH)/MD Ratio ³	1.33	1.50	1.33	1.33
Calculated MH Capacity Factor	2.37	3.27	1.99	2.54

Max Hour Diversity Factor Calculation

	Residential	Commercial	Navy	PWFD	
Class Average Day (mgd)	2.60	1.94	0.51	1.13	
Class MH Demand Factor	2.37	3.27	1.99	2.54	Total MH Demand
Max Hour Demand (Avg. Day X MH Demand Factor)	6.2	6.3	1.0	2.9	16.38
System Average Day (mgd)	6.2				
System Maximum Day (mgd)	10.2				
System Maximum Hour (mgd)	12.1				
Noncoincident MH Capacity Factor	16.4	/	6.2	=	2.65
Coincident MH Capacity Factor	12.1	/	6.2	=	1.96
System MH Diversity	2.65	/	1.96	=	1.35

3- MH/MD Ratio Assumptions:

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

Rhode Island Public Utilities Commission
 Docket ????
 Miscellaneous Petition For Relief
 HJS Schedule D-7
 Demand Factor Calculations

Summer 2012

	Residential	Commercial	Navy	PWFD
Annual Average Day ¹	16,366	57,808	616,576	1,127,654
Daily Read Maximum Day ²	30,513	135,620	1,213,663	2,329,051
Maximum Day Demand Factor	1.86	2.35	1.97	2.07

1-Total Consumption by Daily Read Accounts for 12 Mo. Including Daily Sample Period/365

2 - Class maximum day from daily read data

Max Day Diversity Factor Calculation		Residential	Commercial	Navy	PWFD	
Class Average Day (mgd)		2.37	1.76	0.66	1.13	
Class MD Demand Factor		1.86	2.35	1.97	2.07	Total MD Demand
Max Day Demand (Avg. Day X MD Demand Factor)		4.42	4.12	1.29	2.33	12.2
System Average Day (mgd)		5.9				
System Maximum Day (mgd)		10.1				
System Maximum Hour (mgd)		12.6				
Noncoincident MD Capacity Factor		12.2	/	5.9	=	2.06
Coincident MD Capacity Factor		10.1	/	5.9	=	1.71
System MD Diversity		2.06	/	1.71	=	1.20

Maximum Hour Demand Factor Calculation

	Residential	Commercial	Navy	PWFD
MD Capacity Factor	1.86	2.35	1.97	2.07
Estimated Maximum-Hour (MH)/MD Ratio ³	1.33	1.50	1.33	1.33
Calculated MH Capacity Factor	2.49	3.52	2.62	2.75

Max Hour Diversity Factor Calculation

	Residential	Commercial	Navy	PWFD	
Class Average Day (mgd)	2.37	1.76	0.66	1.13	
Class MH Demand Factor	2.49	3.52	2.62	2.75	Total MH Demand
Max Hour Demand (Avg. Day X MH Demand Factor)	5.90	6.19	1.72	3.11	16.91
System Average Day (mgd)	5.9				
System Maximum Day (mgd)	10.1				
System Maximum Hour (mgd)	12.6				
Noncoincident MH Capacity Factor	16.91	/	5.9	=	2.86
Coincident MH Capacity Factor	12.6	/	5.9	=	2.13
System MH Diversity	2.86	/	2.13	=	1.34

3- MH/MD Ratio Assumptions:

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

Rhode Island Public Utilities Commission

Docket ????

Miscellaneous Petition For Relief

HJS Schedule E-1

Comparison of Impacts With and Without Full Monthly Billing

Impacts WITH Full Implementation of Monthly Billing

Current Monthly Residential 5/8" Meter				
Consumption per Bill (gallons)	Annual Bill at Current Rates	Annual Bill at Proposed Rates	Dollar Change	Percent Change
2,000	\$ 293.04	\$ 299.16	\$ 6.12	2.1%
5,000	\$ 589.68	\$ 659.88	\$ 70.20	11.9%
15,000	\$ 1,578.48	\$ 1,862.28	\$ 283.80	18.0%

Current Monthly Residential 1" Meter				
Consumption per Bill (gallons)	Annual Bill at Current Rates	Annual Bill at Proposed Rates	Dollar Change	Percent Change
2,000	\$ 305.28	\$ 313.32	\$ 8.04	2.7%
5,000	\$ 601.92	\$ 674.04	\$ 72.12	12.2%
15,000	\$ 1,590.72	\$ 1,876.44	\$ 285.72	18.1%

Current Quarterly Residential 5/8" Meter				
Consumption per Bill (gallons)	Annual Bill at Current Rates	Annual Bill at Proposed Rates	Dollar Change	Percent Change
3,000	\$ 144.76	\$ 178.92	\$ 34.16	23.6%
15,000	\$ 540.28	\$ 659.88	\$ 119.60	22.1%
60,000	\$ 2,023.48	\$ 2,463.48	\$ 440.00	21.7%

Current Quarterly Residential 1" Meter				
Consumption per Bill (gallons)	Annual Bill at Current Rates	Annual Bill at Proposed Rates	Dollar Change	Percent Change
3,000	\$ 157.04	\$ 193.08	\$ 36.04	24.9%
15,000	\$ 552.56	\$ 674.04	\$ 121.48	22.5%
60,000	\$ 2,035.76	\$ 2,477.64	\$ 441.88	21.8%

Current Monthly Non-Residential 5/8" Meter				
Consumption per Bill (gallons)	Annual Bill at Current Rates	Annual Bill at Proposed Rates	Dollar Change	Percent Change
5,000	\$ 646.68	\$ 731.88	\$ 85.20	13.2%
30,000	\$ 3,403.68	\$ 4,097.88	\$ 694.20	20.4%
75,000	\$ 8,366.28	\$ 10,156.68	\$ 1,790.40	21.4%

Current Monthly Non-Residential 2" Meter				
Consumption per Bill (gallons)	Annual Bill at Current Rates	Annual Bill at Proposed Rates	Dollar Change	Percent Change
5,000	\$ 713.76	\$ 809.40	\$ 95.64	14.8%
30,000	\$ 3,470.76	\$ 4,175.40	\$ 704.64	20.7%
75,000	\$ 8,433.36	\$ 10,234.20	\$ 1,800.84	21.5%

Impacts WITHOUT Full Implementation of Monthly Billing

Current Monthly Residential 5/8" Meter				
Consumption per Bill (gallons)	Annual Bill at Current Rates	Annual Bill at Proposed Rates	Dollar Change	Percent Change
2,000	\$ 293.04	\$ 357.00	\$ 63.96	21.8%
5,000	\$ 589.68	\$ 717.72	\$ 128.04	21.7%
15,000	\$ 1,578.48	\$ 1,920.12	\$ 341.64	21.6%

Current Monthly Residential 1" Meter				
Consumption per Bill (gallons)	Annual Bill at Current Rates	Annual Bill at Proposed Rates	Dollar Change	Percent Change
2,000	\$ 305.28	\$ 371.16	\$ 65.88	22.5%
5,000	\$ 601.92	\$ 731.88	\$ 129.96	22.0%
15,000	\$ 1,590.72	\$ 1,934.28	\$ 343.56	21.8%

Current Quarterly Residential 5/8" Meter				
Consumption per Bill (gallons)	Annual Bill at Current Rates	Annual Bill at Proposed Rates	Dollar Change	Percent Change
3,000	\$ 144.76	\$ 236.76	\$ 92.00	63.6%
15,000	\$ 540.28	\$ 717.72	\$ 177.44	32.8%
60,000	\$ 2,023.48	\$ 2,521.32	\$ 497.84	24.6%

Current Quarterly Residential 1" Meter				
Consumption per Bill (gallons)	Annual Bill at Current Rates	Annual Bill at Proposed Rates	Dollar Change	Percent Change
3,000	\$ 157.04	\$ 250.92	\$ 93.88	64.9%
15,000	\$ 552.56	\$ 731.88	\$ 179.32	33.2%
60,000	\$ 2,035.76	\$ 2,535.48	\$ 499.72	24.7%

Current Monthly Non-Residential 5/8" Meter				
Consumption per Bill (gallons)	Annual Bill at Current Rates	Annual Bill at Proposed Rates	Dollar Change	Percent Change
5,000	\$ 646.68	\$ 789.72	\$ 143.04	22.1%
30,000	\$ 3,403.68	\$ 4,155.72	\$ 752.04	22.1%
75,000	\$ 8,366.28	\$ 10,214.52	\$ 1,848.24	22.1%

Current Monthly Non-Residential 2" Meter				
Consumption per Bill (gallons)	Annual Bill at Current Rates	Annual Bill at Proposed Rates	Dollar Change	Percent Change
5,000	\$ 713.76	\$ 867.24	\$ 153.48	23.7%
30,000	\$ 3,470.76	\$ 4,233.24	\$ 762.48	22.4%
75,000	\$ 8,433.36	\$ 10,292.04	\$ 1,858.68	22.2%

Rhode Island Public Utilities Commission

Docket ????

Miscellaneous Petition For Relief

HJS Schedule E-2

Comparison of Impacts With and Without Revenue Increase

Impacts With Full Implementation of Monthly Billing WITH Requested Revenue Increase

Current Monthly Residential 5/8" Meter				
Consumption per Bill (gallons)	Annual Bill at Current Rates	Annual Bill at Proposed Rates	Dollar Change	Percent Change
2,000	\$ 293.04	\$ 299.16	\$ 6.12	2.1%
5,000	\$ 589.68	\$ 659.88	\$ 70.20	11.9%
15,000	\$ 1,578.48	\$ 1,862.28	\$ 283.80	18.0%

Current Monthly Residential 1" Meter				
Consumption per Bill (gallons)	Annual Bill at Current Rates	Annual Bill at Proposed Rates	Dollar Change	Percent Change
2,000	\$ 305.28	\$ 313.32	\$ 8.04	2.7%
5,000	\$ 601.92	\$ 674.04	\$ 72.12	12.2%
15,000	\$ 1,590.72	\$ 1,876.44	\$ 285.72	18.1%

Current Quarterly Residential 5/8" Meter				
Consumption per Bill (gallons)	Annual Bill at Current Rates	Annual Bill at Proposed Rates	Dollar Change	Percent Change
3,000	\$ 144.76	\$ 178.92	\$ 34.16	23.6%
15,000	\$ 540.28	\$ 659.88	\$ 119.60	22.1%
60,000	\$ 2,023.48	\$ 2,463.48	\$ 440.00	21.7%

Current Quarterly Residential 1" Meter				
Consumption per Bill (gallons)	Annual Bill at Current Rates	Annual Bill at Proposed Rates	Dollar Change	Percent Change
3,000	\$ 157.04	\$ 193.08	\$ 36.04	24.9%
15,000	\$ 552.56	\$ 674.04	\$ 121.48	22.5%
60,000	\$ 2,035.76	\$ 2,477.64	\$ 441.88	21.8%

Current Monthly Non-Residential 5/8" Meter				
Consumption per Bill (gallons)	Annual Bill at Current Rates	Annual Bill at Proposed Rates	Dollar Change	Percent Change
5,000	\$ 646.68	\$ 731.88	\$ 85.20	13.2%
30,000	\$ 3,403.68	\$ 4,097.88	\$ 694.20	20.4%
75,000	\$ 8,366.28	\$ 10,156.68	\$ 1,790.40	21.4%

Current Monthly Non-Residential 2" Meter				
Consumption per Bill (gallons)	Annual Bill at Current Rates	Annual Bill at Proposed Rates	Dollar Change	Percent Change
5,000	\$ 713.76	\$ 809.40	\$ 95.64	14.8%
30,000	\$ 3,470.76	\$ 4,175.40	\$ 704.64	20.7%
75,000	\$ 8,433.36	\$ 10,234.20	\$ 1,800.84	21.5%

Impacts With Full Implementation of Monthly Billing WITHOUT Requested Revenue Increase

Current Monthly Residential 5/8" Meter				
Consumption per Bill (gallons)	Annual Bill at Current Rates	Annual Bill at Proposed Rates	Dollar Change	Percent Change
2,000	\$ 293.04	\$ 246.60	\$ (46.44)	-15.8%
5,000	\$ 589.68	\$ 543.24	\$ (46.44)	-7.9%
15,000	\$ 1,578.48	\$ 1,532.04	\$ (46.44)	-2.9%

Current Monthly Residential 1" Meter				
Consumption per Bill (gallons)	Annual Bill at Current Rates	Annual Bill at Proposed Rates	Dollar Change	Percent Change
2,000	\$ 305.28	\$ 258.84	\$ (46.44)	-15.8%
5,000	\$ 601.92	\$ 555.48	\$ (46.44)	-7.9%
15,000	\$ 1,590.72	\$ 1,544.28	\$ (46.44)	-2.9%

Current Quarterly Residential 5/8" Meter				
Consumption per Bill (gallons)	Annual Bill at Current Rates	Annual Bill at Proposed Rates	Dollar Change	Percent Change
3,000	\$ 144.76	\$ 147.72	\$ 2.96	2.0%
15,000	\$ 540.28	\$ 543.24	\$ 2.96	0.5%
60,000	\$ 2,023.48	\$ 2,026.44	\$ 2.96	0.1%

Current Quarterly Residential 1" Meter				
Consumption per Bill (gallons)	Annual Bill at Current Rates	Annual Bill at Proposed Rates	Dollar Change	Percent Change
3,000	\$ 157.04	\$ 159.96	\$ 2.92	2.0%
15,000	\$ 552.56	\$ 555.48	\$ 2.92	0.5%
60,000	\$ 2,035.76	\$ 2,038.68	\$ 2.92	0.1%

Current Monthly Non-Residential 5/8" Meter				
Consumption per Bill (gallons)	Annual Bill at Current Rates	Annual Bill at Proposed Rates	Dollar Change	Percent Change
5,000	\$ 646.68	\$ 600.24	\$ (46.44)	-7.2%
30,000	\$ 3,403.68	\$ 3,357.24	\$ (46.44)	-1.4%
75,000	\$ 8,366.28	\$ 8,319.84	\$ (46.44)	-0.6%

Current Monthly Non-Residential 2" Meter				
Consumption per Bill (gallons)	Annual Bill at Current Rates	Annual Bill at Proposed Rates	Dollar Change	Percent Change
5,000	\$ 713.76	\$ 667.32	\$ (46.44)	-7.2%
30,000	\$ 3,470.76	\$ 3,424.32	\$ (46.44)	-1.4%
75,000	\$ 8,433.36	\$ 8,386.92	\$ (46.44)	-0.6%

EXHIBIT 6

STATE OF RHODE ISLAND AND PROVIDENCE PLANTATIONS
PUBLIC UTILITIES COMMISSION

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

DOCKET NO: X

SCHEDULE C
BASE CHARGE

Applicability:

Applicable throughout the entire territory served by the Newport Water Division for industrial, commercial and residential users, exclusive of fire service connections.

Rates:

For each meter connected to the Newport Water Division's mains the following charges shall apply:

Monthly		Quarterly	
Meter Size	Rate (\$/month)	Meter Size	Rate (\$/quarter)
5/8"	7.94 4.89	5/8"	11.47
3/4"	8.04 5.01	3/4"	11.79
1"	8.96 6.07	1"	14.54
1.5"	11.30 8.78	1.5"	21.55
2"	13.53 11.35	2"	28.25
3"	25.64 25.22	3"	64.57
4"	28.87 28.90	4"	74.27
5"	33.18 33.80	5"	87.20
6"	36.41 37.48	6"	96.90
8"	45.03 47.29	8"	122.76
10"	60.66 65.07	10"	169.63

Method of Payment:

All billing charges under this schedule are rendered in advance concurrent with the billing cycle, monthly or quarterly and are due and payable in full when rendered.

Effective: ~~April 1, 2014~~ July 1, 2014

STATE OF RHODE ISLAND AND PROVIDENCE PLANTATIONS
PUBLIC UTILITIES COMMISSION

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

DOCKET NO: X

SCHEDULE C
BASE CHARGE

Applicability:

Applicable throughout the entire territory served by the Newport Water Division for industrial, commercial and residential users, exclusive of fire service connections.

Rates:

For each meter connected to the Newport Water Division's mains the following charges shall apply:

Monthly	
Meter Size	Rate (\$/month)
5/8"	4.89
3/4"	5.01
1"	6.07
1.5"	8.78
2"	11.35
3"	25.22
4"	28.90
5"	33.80
6"	37.48
8"	47.29
10"	65.07

Method of Payment:

All billing charges under this schedule are rendered in advance concurrent with the billing cycle, monthly or quarterly and are due and payable in full when rendered.

Effective: July 1, 2014