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June 5, 2015

Ms. Luly Massaro, Clerk
Division of Public Utilities and Carriers
89 Jefferson Boulevard
Warwick, RI 02888

***Re: Pawtucket Water Supply Board, General Rate Filing
Docket No. 4550***

Dear Ms. Massaro:

Enclosed please find an original and nine (9) copies of the following:

1. The Pawtucket Water Supply Board Response to Cumberland's Data Requests (Set 3).

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

Thank you for your attention to this matter.

Sincerely,



Joseph A. Keough Jr.

JAK/kf
Enclosures
cc: Karen Lyons, Esquire

STATE OF RHODE ISLAND PUBLIC UTILITIES COMMISSION

DOCKET NO. 4550

Response Of The Pawtucket Water Supply Board

To The Town of Cumberland's

Data Requests

Set 3

Cumb. 3-1: [Ref. – PWSB response to Cumb. 1-1 and Sch. DGB-2] The FY2014 audited statement (page 10) shows a "Change in net position" of \$3,619,718. Sch. DGB-2 (page 4 of 4) shows a "Net Income/(Loss)" of \$3,619,716 for FY2014. Do these two amounts, except for a \$2 rounding difference, indicate the same level of Total Revenues in excess of Total Expenses for the PWSB system in FY2014? If negative, please explain in detail what each amount represents. Does either or both of these amounts indicate that the approved rates in FY2014 provided more than sufficient revenues to cover (pay for) all system costs in FY2014. If negative, please explain in detail why this is not the case.

Response: Except for the \$2 rounding difference, the schedule and the audited financial statement do reflect Total Revenues in excess of Total Expenses for the PWSB system in FY2014. Regarding whether this excess as presented on the audited financial statement and DGB-2 indicate that the approved rates in FY2014 provided more than sufficient revenues to cover (pay for) all system costs in FY2014, the answer is no. These totals reflect the GAAP basis financial balances and do not reflect the regulatory basis upon which the PWSB rates are calculated. Since the PWSB is a municipal and not investor owned utility, several regulatory adjustments have to be made to the GAAP basis financial such as removing depreciation, adding principal paid on debt and adding the expenditures for capital additions. The regulatory basis financial balances are reflected on DGB-1.

In addition, the PWSB's rate filing documents demonstrate why the current revenues are not sufficient. Please refer to Woodcock Schedule 11.0 for a summary of this documentation.

Prepared by: D. Bebyn and C. Woodcock

STATE OF RHODE ISLAND PUBLIC UTILITIES COMMISSION

DOCKET NO. 4550

Response Of The Pawtucket Water Supply Board

To The Town of Cumberland's

Data Requests

Set 3

Cumb. 3-2: [Ref. – PWSB response to Cumb. 1-5 and DGB-6] Please provide all assumptions, calculations and supporting documents used to derive the "One time DOT Revenue" adjustment in FY2012. To the extent this total adjustment can be separated into its component parts due to having been received on different dates and/or for different services/goods, provide these separable amounts and explain in detail why each component should not be included in misc. revenues in FY2012.

Response: The "one time DOT revenue" results from the settlement of a RIDOT claim of \$371,529 against the PWSB, which was an accrued liability and relates to a Roosevelt Avenue construction project during the years 1991 through 1993. PWSB disputed the RIDOT claim. This claim was finally settled during FY2012 for a final payment of \$115,000. Therefore, the remaining accrued liability balance of \$256,529 was reclassified to miscellaneous income in FY2012.

Prepared by: R. Benson

STATE OF RHODE ISLAND PUBLIC UTILITIES COMMISSION

DOCKET NO. 4550

Response Of The Pawtucket Water Supply Board

To The Town of Cumberland's

Data Requests

Set 3

Cumb. 3-3: [Ref. – PWSB response to Cumb. 1-7 and Schedule Cumb 1-7] With respect to just the O&M Reserve Fund, what was the required funding level at the end of FY2014? Please provide all assumptions, calculations and supporting documents used to derive that amount. Again, with respect to just the O&M Reserve Fund, if the funds maintained in that Fund exceed the required levels at the end of a fiscal year, can the amount in excess of the required amounts be used for other purposes? If negative, please explain why with reference(s) to the specific requirements and the associated documents. Would your response to the last question be any different if the excess amount in this Fund was significantly greater (by say 3 or 4 times) than the required amount? If affirmative, explain in detail why.

Response: Whether the PWSB can use funds that exceed the required level at the end of a fiscal year for other purposes, depends on the source of the excess funds. For instance, the current balance in the O&M Reserve Fund is \$2,708,185, which exceeds the required level by \$400,983. Of this amount, \$338,776 is attributable to interest income and, in accordance with Section 512 of the Indenture, must be retained in the O & M Reserve, and cannot be used for other purposes. However, as set forth in the PWSB's original filing, the excess funds attributable to interest income will offset the need to recover money in rates to fund this reserve in the future because as the PWSB's O&M Costs increase so too does the amount required to fund this reserve

Upon advice of Bond Counsel, and to ensure compliance with the Trust Indenture, the PWSB will withdraw the remaining excess amount of \$68,207 from this account, as these funds should not have been deposited into this account. However, the PWSB has to deposit this amount into the IFR account pursuant to the terms of Section 504(2)(ix) of the Trust Indenture.

Prepared by: Robert Benson with information from bond counsel, Karen S.D. Grande, Esquire

STATE OF RHODE ISLAND PUBLIC UTILITIES COMMISSION

DOCKET NO. 4550

Response Of The Pawtucket Water Supply Board

To The Town of Cumberland's

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Set 3

Cumb. 3-4: [Ref. – PWSB response to Cumb. 1-7 and Schedule Cumb 1-7] With respect to just the Infrastructure Replacement (IFR) Account, what was the required funding level at the end of FY2014? Please provide all assumptions, calculations and supporting documents used to derive that amount. Again, with respect to just the IFR Account, if the funds maintained in that Fund exceed the required levels at the end of a fiscal, can the amount in excess of the required amounts be used for other purposes? If negative, please explain why with reference(s) to the specific requirements and the associated documents. Would your response to the last question be any different if the excess amount in this Account was significantly greater (by say 3 or 4 times) than the required amount? If affirmative, explain in detail why.

Response: The PUC's order in the PWSB's most recent docket (4171) authorized the PWSB to fund its restricted IFR account with an amount not to exceed \$2,500,000. However, the PWSB is not required to "whole dollar fund" this account, which means the PWSB does not deposit 1/12th of the \$2,500,000 into the restricted IFR account. Thus, there is no "required" funding level.

Prepared by: R. Benson

STATE OF RHODE ISLAND PUBLIC UTILITIES COMMISSION

DOCKET NO. 4550

Response Of The Pawtucket Water Supply Board

To The Town of Cumberland's

Data Requests

Set 3

Cumb. 3-5: [Ref. – PWSB response to Cumb. 1-8 and Schedule DGB-1] Are there capital costs in PWSB's budget that need to be paid for with rate revenues in addition to O&M costs? Grant Revenues were approximately \$84,000 in FY2012 and \$52,000 in FY2013. What amount of such revenues have been received to date in FY2015; and what is the likely level of such revenues expected for the remainder of FY2015? Are there any circumstances or limitations that would make it impossible to receive such revenues going forward? If affirmative, please provide specific references or documents that support/verify your response.

Response: PWSB's O&M Budget only includes capital costs for capitalized labor, which is paid with rate revenues. All other capital costs are paid from the IFR fund or debt service loan proceeds.

Grant Revenue received for FY2015 amounts to \$123,091 and has already been received. This revenue consists of \$56,054 of debt forgiveness on RICWFA Bonds and a one-time grant \$67,037 from National Grid for the purchase and installation of energy conservation equipment. The PWSB will not receive any more grant revenue in FY2015.

The PWSB is not aware of any circumstances or limitations that would make it impossible to receive such revenues going forward. However, the revenue for debt forgiveness is restricted to the debt service fund. See the attached schedule Cumb. 3-5 that documents future Grant Revenue on a fiscal year basis. The amounts reported on this Schedule agree with the debt service schedules provided in Tab D, Index Item 2.9(f). To obtain this same type of grant revenue in the future, the PWSB would have to undertake a borrowing that has similar debt forgiveness provisions.

Prepared by: R. Benson

PAWTUCKET WATER SUPPLY BOARD
Schedule of Debt Forgiveness

Fiscal Year		Payment Date	GL Account Numbers			
			305-9510-441.90-45		305-9510-441.90-46	
			Series	Series	ARRA Grant	Capitalization Grants
end			2009A	2012A	2013A	Annual Debt Forgiveness
6/30/2011		9/1/2010	231.96			231.96
6/30/2012		9/1/2011	51,030.12			51,030.12
6/30/2013		9/1/2012	51,725.98	25.02		51,751.00
6/30/2014		9/1/2013	52,653.80	1,926.31	56.73	54,636.84
6/30/2015		9/1/2014	54,045.53	1,951.33	56.73	56,053.59
6/30/2016		9/1/2015	55,437.26	1,976.35	19,800.30	77,213.91
6/30/2017		9/1/2016	57,060.95	2,026.38	19,970.50	79,057.83
6/30/2018		9/1/2017	58,916.59	2,051.40	20,254.17	81,222.16
6/30/2019		9/1/2018	60,772.23	2,101.43	20,537.84	83,411.50
6/30/2020		9/1/2019	62,859.83	2,151.47	20,878.25	85,889.55
6/30/2021		9/1/2020	65,179.38	2,201.50	21,275.39	88,656.27
6/30/2022		9/1/2021	67,730.88	2,251.53	21,729.27	91,711.68
6/30/2023		9/1/2022	70,050.43	2,326.59	22,183.14	94,560.16
6/30/2024		9/1/2023	72,833.90	2,401.64	22,750.48	97,986.02
6/30/2025		9/1/2024	75,617.36	2,476.69	23,317.83	101,411.88
6/30/2026		9/1/2025	78,632.77	2,551.74	23,998.64	105,183.15
6/30/2027		9/1/2026	81,648.19	2,626.79	24,679.45	108,954.43
6/30/2028		9/1/2027	84,895.56	2,726.86	25,473.73	113,096.15
6/30/2029		9/1/2028	88,374.89	2,826.93	26,324.75	117,526.57
6/30/2030		9/1/2029	91,854.21	2,926.99	27,175.77	121,956.97
6/30/2031		9/1/2030	95,101.59	3,027.06	28,083.52	126,212.17
6/30/2032		9/1/2031		3,152.15	28,991.27	32,143.42
6/30/2033		9/1/2032		3,202.17	30,012.48	33,214.65
6/30/2034		9/1/2033			31,033.70	31,033.70
6/30/2035		9/1/2034			31,884.74	31,884.74
6/30/2036		9/1/2035				-
6/30/2037		9/1/2036				-
			1,376,653.41	48,908.33	490,468.68	1,916,030.42
						1,376,653.41
						539,377.01

LEGEND: Y amount received agrees with schedule
V variance - amount received does not agree with schedule

STATE OF RHODE ISLAND PUBLIC UTILITIES COMMISSION

DOCKET NO. 4550

Response Of The Pawtucket Water Supply Board

To The Town of Cumberland's

Data Requests

Set 3

Cumb. 3-6: [Ref. – PWSB response to Cumb. 1-9 and Schedule DGB-1] When you capitalize some of your labor expenses to a capital improvement project are those labor costs recovered over time through debt service payments associated with the debt issued to pay for those capital improvements? If negative, please explain in detail why this is not the case? If those same labor costs are also expensed in a given year, and thus included in the total revenue requirement, wouldn't there be a double recovery of those expenses over time? If negative, please explain in detail why this is not the case? Please provide the amounts of labor costs that have been capitalized in fiscal years 2011 through 2014 and the current expected amount for FY2015.

Response: Capitalized labor costs are not recovered over time through debt service payments because employee labor costs are only recovered from rate revenue authorized for operation and maintenance costs. Therefore, there is no double recovery of these costs. See Schedule Cumb. 3-6 for capitalized labor for fiscal years FY2011 through FY2014. The amount for FY2015 cannot be estimated at this time. The actual amount will be determined after year end during the year-end close period in preparation for the annual audit.

Prepared by: R. Benson

PAWTUCKET WATER SUPPLY BOARD

Capitalized Labor

Schedule Cumb 3-6

CAPITALIZED LABOR

Transmission & Distribution Department	FY11	FY12	FY13	FY14
	293,077.00	99,717.00	310,655.00	306,882.00
Engineering Department	61,097.00	186,539.00	201,362.00	213,813.00
Metering Department	63,834.00	56,002.00	51,274.00	44,489.00
Total Deductions	418,008.00	342,258.00	563,291.00	565,184.00

STATE OF RHODE ISLAND PUBLIC UTILITIES COMMISSION

DOCKET NO. 4550

Response Of The Pawtucket Water Supply Board
To The Town of Cumberland's
Data Requests
Set 3

Cumb. 3-7: [Ref. – PWSB response to Cumb. 1-10 and Schedule DGB-1] What was the total “refunding loss” that resulted from PWSB’s 2003 refunding of the Pawtucket Public Building Authority bonds? How many years was it amortized over, and what were the beginning and ending years of the amortization period? Was this refunding approved by the RIPUC and/or other regulatory agencies? Was any portion or all of the resulting loss avoidable or due to actions/inactions of the PWSB?

Response: Please see the attached schedule for the total “refunding loss” that resulted from PWSB’s 2003 refunding of the Pawtucket Public Building Authority bonds. This schedule includes the total “refunding loss” for each debt issue. The refunding losses were audited by the PWSB’s independent auditors. This schedule also contains the beginning and ending of the amortization period. Yes, the refunding was approved by the PUC and/or other regulatory agencies. The PWSB undertook this refunding as part of the borrowings that financed the PWSB’s new water treatment plant and a portion of the PWSB’s distribution system rehabilitation. The PBA debt had to be defeased for the PWSB to borrow the necessary funds from the RICWFA, so there was no portion of the “resulting loss avoidable or due to actions/inactions of the PWSB.” For more detailed information, please see the PWSB’s past Dockets in which these issues were addressed in detail by the PUC, specifically, Dockets 3378 and 3497.

Prepared by: R. Benson with input from Maureen Gurghigian of First Southwest Company

PWSB
Deferred Refunding Losses
For the year ended
6/30/2014

		Deferred Refunding Loss Series 2003A	Deferred Refunding Loss Series 2003B
GL Account #		305-0000-199.11-00	305-0000-199.12-00
Date	Description	Account Balance	Account Balance
12/30/2003	Loss on 2003 refunding of old debt	1,044,808.86	1,291,156.99
	remaining life of old debt (years)	13	9
	Annual amortization	<u>80,369.92</u>	<u>143,461.89</u>
	Original balance/Balance forward	1,044,808.86	1,291,156.99
	less: FY04 amortization	<u>80,369.92</u>	<u>143,461.89</u>
6/30/2004	Beginning Balance	964,438.94	1,147,695.10
6/30/2005	Annual amortization	<u>80,369.92</u>	<u>143,461.89</u>
6/30/2005	Balance per year end general ledger	884,069.02	1,004,233.21
6/30/2006	Annual amortization	<u>80,369.92</u>	<u>143,461.89</u>
6/30/2006	Balance per year end general ledger	803,699.10	860,771.32
6/30/2007	Annual amortization	<u>80,369.92</u>	<u>143,461.89</u>
6/30/2007	Balance per year end general ledger	723,329.18	717,309.43
6/30/2008	Annual amortization	<u>80,369.92</u>	<u>143,461.89</u>
6/30/2008	Balance per year end general ledger	642,959.26	573,847.54
6/30/2009	Annual amortization	<u>80,369.92</u>	<u>143,461.89</u>
6/30/2009	Balance per year end general ledger	562,589.34	430,385.65
6/30/2010	Annual amortization	<u>80,369.92</u>	<u>143,461.89</u>
6/30/2010	Balance per year end general ledger	482,219.42	286,923.76
6/30/2011	Annual amortization	<u>80,369.92</u>	<u>143,461.89</u>
6/30/2011	Balance per year end general ledger	401,849.50	143,461.87
6/30/2012	Annual amortization	<u>80,369.92</u>	<u>143,461.87</u>
6/30/2012	Balance per year end general ledger	321,479.58	<u>-</u>
6/30/2013	Annual amortization	<u>80,369.92</u>	
6/30/2013	Balance per year end general ledger	241,109.66	
6/30/2014	Annual amortization	<u>80,369.92</u>	
6/30/2014	Balance per year end general ledger	160,739.74	
6/30/2015	Annual amortization		
6/30/2015	Balance per year end general ledger		
6/30/2016	Annual amortization		
6/30/2016	Balance per year end general ledger		

Prepared by:

Date:

Reviewed by:

STATE OF RHODE ISLAND PUBLIC UTILITIES COMMISSION

DOCKET NO. 4550

Response Of The Pawtucket Water Supply Board
To The Town of Cumberland's
Data Requests
Set 3

Cumb. 3-8: [Ref. – PWSB response to Cumb. 1-11 and Schedule DGB-2] On Sch. DGB-2 (page 4 of 4) IFR Expenditures are shown to be about \$100,000 in FY 2011 and FY2012, and zero in both FY2013 and FY2014. Is this because there were little or no funds added to that Account during those years. How much was spent on infrastructure improvements in each of those years and how were they funded beyond the relatively small amounts withdrawn from that Account? As part of this proposed increase has PWSB provided for enough revenues such that it will be able to add \$2.5 million to that Account each year from FY 2016 through FY2018? If negative, what is the plan for funding this Account for each of those years?

Response: The figures on DGB-2 for IFR Expenditures shown to be about \$100,000 in FY 2011 and FY2012, and zero in both FY2013 and FY2014 reflect the GAAP basis expenditure. Since GAAP has expenditures for the purchase or construction of major asset capitalized DGB-2 does not reflect the spending for these capital purchases. The amounts which are shown on DGB-2 as stated in the response to Cumb. 1-11 represented the expense for the engineering salary for the project manager whose salary was not capitalized for that period. Furthermore, the project engineer completed his IFR related assignments during FY 2012 which is why no balances show up for FY 2013 and FY 2014. The amounts drawn from the IFR account, which are not reflected on DGB-2 because the amounts were capitalized, were \$881,139 for FY 2011, \$1,341,928 for FY 2012, \$3,425,059 for FY 2013 and \$2,593,693 for FY 2014. These amounts are also reflected on the revision to the response to Cumb. 1-19. The rates proposed by the PWSB will provide enough revenues to add \$2.5 million to the IFR Account if its consumption meets the targeted level set in this Docket. Under the PWSB's Trust Indenture, the IFR account is among the last accounts to be funded. Therefore, if the PWSB does not sell the amount of water ultimately forecasted in this Docket, this account will be underfunded. Thus, the setting of a realistic consumption number in this Docket is critical.

Prepared by: D. Bebyn and R. Benson

STATE OF RHODE ISLAND PUBLIC UTILITIES COMMISSION

DOCKET NO. 4550

Response Of The Pawtucket Water Supply Board

To The Town of Cumberland's

Data Requests

Set 3

Cumb. 3-9: [Ref. – PWSB response to Cumb. 1-11 and Testimony Page 4, lines 5 -9]
As previously requested, please provide a detailed breakdown of the three accounting adjustments [**dollar amounts, specific accounts adjusted and the year(s) involved**] specified in this Test Year "Adjustment" (M), along with an **explanation of how each specifically affects funding of the IFR Account.**

Response: The Test year adjustment M included adding \$7,632 to IFR from Road Resurfacing and \$2,593,693 of capital purchases that were made from the IFR reserve account. However as stated in my testimony, this amount was only adjusted to the level of funding granted and required to be restricted in the last rate filing. Since this adjustment was a Test Year adjustment only the expenditures for FY 2014 were involved.

Prepared by: D. Bebyn

STATE OF RHODE ISLAND PUBLIC UTILITIES COMMISSION

DOCKET NO. 4550

Response Of The Pawtucket Water Supply Board

To The Town of Cumberland's

Data Requests

Set 3

Cumb. 3-10: [Ref. – PWSB response to Cumb. 1-11 and Schedule DGB-2] Please provide your best estimates of the line item amounts shown in DGB-2 corresponding to FY2015 based on 10 months of actual data and 2 months of estimated data. As early as possible in June revise these amounts based on 11 months of actual data and 1 month of estimated data (June 2015). Lastly, as soon as possible provide an update to that schedule based entirely of 12 months of actual data.

Objection: Objection, this request is unreasonable and burdensome. Rule 1.18 (c) of the Commission's Rules of Practice and Procedure allows a party to issue data requests for "data, studies, workpapers, reports and information reasonably relevant to the proceeding..." This request essentially calls for the PWSB to recreate its test year in same form as Schedule DGB-2 using *estimated* figures for FY15. This would require the PWSB and Mr. Bebyn to evaluate ten months of financial information that is currently available for FY15. This information would then have to be examined and properly adjusted. The PWSB and Mr. Bebyn would then have to completely estimate financial information for the remaining two months of FY15. The PWSB believes this task would require Mr. Benson and Mr. Bebyn to expend approximately two to three full days. The actual FY15 information can be provided after the close of the fiscal year and after accruals post and audit adjustments are made.

Prepared by: Joseph A. Keough Jr., Esquire

STATE OF RHODE ISLAND PUBLIC UTILITIES COMMISSION

DOCKET NO. 4550

Response Of The Pawtucket Water Supply Board

To The Town of Cumberland's

Data Requests

Set 3

Cumb. 3-11: [Ref. – PWSB response to Cumb. 1-18] With respect to item 1 of your response – how many employees will be required to work on the 2.5 holidays that they didn't have to work on? Assuming it was about 50, PWSB would have 125 additional man-days of work (or 1,000 man-hours). Has PWSB factored into its proposed revenue requirements a level of overtime labor hours and dollar amounts? If so, what are they? With respect to item 2 of your response – what is PWSB's estimate of the "offset" attributable to "increased employee co-pay(s)?"

Response: All PWSB employees, except those in the Teamsters Union, are required to work the 2.5 days that were holidays in the expired union contracts. A new Teamster contract is still in negotiations and these 10 employees will continue to have these 2.5 paid holidays until there is a new bargaining agreement.

PWSB estimates overtime dollar amounts in its revenue requirements. The estimated overtime dollar amounts are as follows:

Transmission & Distribution Department	\$93,077
Engineering	6,545
Customer Service	740
Metering	1,021
Total Overtime Budget	\$101,383

Overtime is incurred for the following reasons and will not be affected by changes to the holiday schedule:

- a. Off hour emergency repairs to the transmission and distribution system
- b. Construction contractor oversight on weekends and holidays
- c. Extended office hours per PUC Regulations for days performing water service shut-offs.

PWSB estimates the current annual increased offset to the health and dental insurance expense to be \$7,804.

Prepared by: R. Benson

STATE OF RHODE ISLAND PUBLIC UTILITIES COMMISSION

DOCKET NO. 4550

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To The Town of Cumberland's

Data Requests

Set 3

Cumb. 3-12: [Ref. – PWSB response to Cumb. 1-19] Please reconcile the level of "IFR Expenditures" reported on Sch. DGB-2 (page 4 of 4) and the level of "Funds withdrawn from the IFR Account," provided in your response to Cumb. 1-19? What amounts were deposited into the IFR Fund during each of the five years shown in your response, and what was the balance in the IFR Fund at the end of each of those five years? What amounts, as part of this case, has PWSB estimated would be added to and withdrawn from the IFR Fund each year between 2015 and 2018 (the balance at the end of FY2014 is \$2,367,407.71 as reported on Sch. CUMB 1-7)?

Response: See attached Schedule 3-12.

Prepared by: R. Benson

PAWTUCKET WATER SUPPLY BOARD
Infrastructure Replacement Fund Account

Reconciliation of DGB-2

IFR Expenditures reported on DBG-2

Deduct:	FY2011	FY2012	FY2013	FY2014
Project Manager salaries & benefits	101,511	88,134	0	0
	(101,511)	(88,134)		
Add:				
CIP Expenditures paid from the Restricted IFR account	881,139	1,341,928	3,425,059	2,593,693
Amounts reported on Cumb 1-19 and IFR account schedule below	881,139	1,341,928	3,425,059	2,593,693

IFR Resticted Cash Account

Beginning Cash Balance	FY2010	FY2011	FY2012	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019
	\$ 365,239.08	\$ 3,749,383.49	\$ 3,642,191.57	\$ 4,506,872.90	\$ 3,166,255.97	\$ 2,367,407.71	\$ 3,799,317.56	\$ 3,740,275.56	\$ 3,329,175.56	\$ 1,256,875.56
Revenue Receipts										
Total Additions	\$ 4,118,632.19	\$ 773,947.48	\$ 2,206,609.04	\$ 2,084,441.79	\$ 1,794,844.87	\$ 2,426,909.85	\$ 2,500,000.00	\$ 2,500,000.00	\$ 2,500,000.00	\$ 2,500,000.00
Expenditures - Capital Improvement Program										
Total Deductions	\$ 734,487.78	\$ 881,139.40	\$ 1,341,927.71	\$ 3,425,058.72	\$ 2,593,693.13	\$ 995,000.00	\$ 2,559,042.00	\$ 2,911,100.00	\$ 4,572,300.00	\$ 3,736,400.00
Ending Cash Balance	\$ 3,749,383.49	\$ 3,642,191.57	\$ 4,506,872.90	\$ 3,166,255.97	\$ 2,367,407.71	\$ 3,799,317.56	\$ 3,740,275.56	\$ 3,329,175.56	\$ 1,256,875.56	\$ 20,475.56

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Cumb. 3-13: [Ref. – PWSB response to Cumb. 1-20] With respect to your attachment listing all the streets included in MR-10 and the detailed cost estimate, what portion (dollar amount and percentage) of the cost estimate is attributable to mains that are larger than 12 inches in diameter, and what portion (dollar amount and percentage) of the cost estimate is attributable to mains that are only in the Town of Cumberland? Assuming the funds needed for this project (MR-10) are approved near the end of this year or in early 2016, what is a realistic schedule for completing a portion of the streets in FY2016 (number of streets and dollar amount); in FY2017 (number of streets and dollar amount); and FY2018 (number of streets and dollar amount)?

Response: MR-10 consists of replacing 6' and 8" mains. In the process there may be small sections of 12" and larger pipe that need to be replaced in order to facilitate the new connections. The exact dollar amount and percentage is unknown at this point. The PWSB has replaced or cleaned and lined all of our transmission piping in earlier projects. Typically, the PWSB completes 90% of the piping work in our projects during the season in which the contract is awarded, so based on that I would estimate that we would expend approximately \$4.96 million in FY16, and that we would complete the remainder in FY17.

Prepared by: J. DeCelles

Cumb. 3-14: [Ref. – PWSB response to Cumb. 1-20] In describing the benefits of the project you state – “The new pipes will be cement lined ductile iron and will significantly increase flow capacity as well as eliminate water quality issues associated with unlined cast iron. The replacement will also increase fire- fighting capabilities in these areas.” Is the current flow capacity of any of the pipe segments to be replaced below PWSB’s standards or causing significant low flow problems to customers? If so, specify which pipe segments and describe the variance from the standard or the problem impacting some customers. Is the current water quality from any of the pipe segments to be replaced below PWSB’s standards or causing significant quality problems for customers? If so, specify which pipe segments and describe the variance from the standard or the problem impacting some customers. Is the current fire-fighting capacity of any of the pipe segments to be replaced below PWSB’s or industry standards for fire-fighting capacity? If so, specify which pipe segments and describe the variance from the standard.

Response: To our knowledge, none of the pipe segments to be replaced are below ISO Fire Flow Standards or are causing significant low flow problems. The project will improve the flow capacity of the pipes and improve flow characteristics. The project will also improve the efficiency of our pumping efforts by removing flow restrictions. The pipes in the project area do experience periodic “dirty water “ during high flow events like hot summer days or fire flow in the vicinity. One of the main reasons the PWSB and the City of Pawtucket decided to undertake a complete rehabilitation of the transmission and distribution system in the late 1990’s and early 2000’s was to improve the water quality and reliability of the entire system. Prior to the commencement of the system-wide rehabilitation, the PWSB’s customers experienced numerous water quality issues and service interruptions due to main breaks. The issues related to the PWSB’s system-wide rehabilitation project have been fully addressed before the PUC, specifically in Dockets 3378 and 3497. As set forth above, to our knowledge, none of the pipe segments to be replaced are below ISO Fire Flow Standards.

Prepared by: J. DeCelles

Cumb. 3-15: [Ref. – PWSB response to Cumb. 1-20] With respect to your response of the question what would the impacts (specific) be of a one year delay in this project, you responded as follows – “While no one can be certain, the delay would likely result in increased construction costs due to inflation, as well as the potential for unnecessary maintenance costs due to leaks and other issues. Any delays in the project could also result in increased interest rates for project loans.” By how much do you believe construction costs are likely to increase by over the next year or two due to inflation? Is it also possible that construction inflation rates over this short term timeframe could be 1% or lower? Is the potential for unnecessary maintenance costs due to leaks and other issues relatively high or relatively low? In the past 2 years (FY 2014 and FY2015 to date), which of the mains to be replaced as part of this project experienced significant leaks in terms of lost water and high repair cost? Please list the location, date and cost of repair for each such leak. By how much do you believe interest rates on PWSB loans are likely to increase by over the next year or two? Is it also possible that such interest rates over this short term timeframe could remain unchanged? Are you aware that such rates have either decreased or not increased significantly in recent years?

Response: There is no way to definitively predict construction costs if the PWSB delayed this project. We do know that the cost of water works materials has steadily increased in recent years and the fixed costs for items such as police details have also increased. I would not anticipate either of those costs will decrease. The actual construction costs seem to fluctuate inversely with the economy. When the economy is slow, our experience is that the costs in response to our project bids are lower, which may be attributable to the scarcity of work and increased competition. However, in good economic times, our experience is that the responses to project bids contain higher costs. So if the local economy improves, the construction costs are more likely to increase.

It difficult to say whether the potential for unnecessary maintenance costs due to leaks and other issues is relatively high or relatively low? The PWSB would need to know the frame of reference assumed in this question. However, it would stand to reason that older pipe that is not replaced or re-lined is more likely to need maintenance that could be avoided if it were replaced or re-lined.

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To determine which of the mains to be replaced as part of this project experienced "significant" leaks in terms of lost water and "high" repair cost in the past two years (FY 2014 and FY2015 to date) would be very difficult. First, the terms "significant" and "high" are undefined in this question. Second, this project encompasses 35,562 linear feet of pipe on numerous streets in two cities. To determine the amount and cost of repairs on the streets in this project for the past two years would require someone to go through thousands of work orders and determine which work was on the project streets. This would be an extremely time consuming project that the PWSB is unable to complete at this time. However, the PWSB can supply the Town of Cumberland with all work orders for the two year period requested for its own review.

Finally, the PWSB does not know how much interest rates are likely to increase over the next year or two, or whether they will remain unchanged. The PWSB does not know which "recent years" Cumberland refers to in its question, but attached is a Bond Buyer's Index supplied by the PWSB's financial advisor, First Southwest Company that sets forth an index of interest rates.

Prepared by: J. DeCelles, with information provided by First Southwest Company

FIRST SOUTHWEST COMPANY
"Bond Buyer's" Index of 25 Revenue Bonds
Basis Valuation of Par Bonds

The most important guide as to what the Municipal Revenue Bond Market has done in one time period versus another is the "Bond Buyer's" 25 Revenue Bond Index. Published on Thursday of each week, it is the accepted guide of the Municipal Bond Industry to determine trends and movements of interest rates in the market. The Index is based on 30 year revenue bonds of 25 issuers rated from "Aaa" to "Baa 1" by Moody's Investors Service, Inc. and from "AAA" to "A" by Standard & Poor's Corporation. Bonds in the Index include Housing, Transportation, Hospital and Pollution Control Credits.

	<u>Week</u>	<u>2003</u>	<u>2004</u>	<u>2005</u>	<u>2006</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2013</u>	<u>2014</u>	<u>2015</u>
January	1	5.16	5.03	4.98	5.09	4.50	4.72	6.00	4.96	5.44	4.93	4.30	5.39	4.26
	2	5.20	4.92	4.92	5.11	4.55	4.66	5.90	4.93	5.60	4.74	4.26	5.34	4.06
	3	5.20	4.94	4.89	5.08	4.55	4.63	5.72	4.91	5.66	4.77	4.22	5.33	4.08
	4	5.17	5.02	4.90	5.15	4.59	4.71	5.82	4.99	5.61	4.71	4.24	5.28	4.06
	5	5.20					4.76	5.89				4.29	5.30	
February	1	5.20	4.96	4.86	5.17	4.59	4.72	5.74	4.96	5.63	4.70	4.29	5.32	4.16
	2	5.16	4.85	4.79	5.14	4.53	4.82	5.67	4.96	5.67	4.77	4.30	5.33	4.23
	3	5.14	4.83	4.88	5.09	4.51	4.94	5.70	4.97	5.60	4.74	4.30	5.27	4.28
	4	5.10	4.81	4.93	5.04	4.48	5.22	5.76	4.94	5.57	4.75	4.29	5.22	4.28
	5													
March	1	5.06	4.85	4.96	5.07	4.41	5.11	5.80	4.93	5.56	4.73	4.31	5.27	4.32
	2	5.06	4.75	5.02	5.11	4.39	5.15	5.83	4.92	5.52	4.76	4.41	5.26	4.31
	3	5.17	4.73	4.99	5.08	4.38	5.17	5.81	4.92	5.50	4.83	4.37	5.30	4.19
	4	5.17	4.79	5.04	5.08	4.41	5.24	5.78	4.93	5.52	4.88	4.35	5.26	4.17
	5			5.03	5.14	4.48		4.94	5.56	4.85				
April	1	5.20	4.91	5.02	5.16	4.50	5.18	5.75	4.96	5.61	4.88	4.33	5.23	4.18
	2	5.19	5.07	4.98	5.18	4.49	5.04	5.74	4.96	5.58	4.85	4.30	5.18	4.18
	3	5.16	5.18	4.89	5.20	4.43	5.06	5.63	4.93	5.54	4.81	4.28	5.12	4.18
	4	5.11	5.20	4.83	5.22	4.45	5.10	5.49	4.91	5.51	4.78	4.29	5.13	4.22
	5		5.28					5.57						4.31
May	1	5.09	5.32	4.84	5.24	4.45	5.07	5.57	4.89	5.45	4.77	4.19	5.10	4.47
	2	5.01	5.45	4.87	5.25	4.44	5.07	5.46	4.90	5.41	4.73	4.22	4.97	4.48
	3	4.88	5.44	4.81	5.24	4.46	4.98	5.42	4.86	5.40	4.75	4.25	4.81	4.56
	4	4.82	5.36	4.78	5.22	4.55	4.99	5.53	4.84	5.38	4.76	4.30	4.81	4.48
	5	4.82				4.57	5.05				4.73	4.39	4.79	
June	1	4.83	5.39	4.72	5.23	4.69	5.04	5.63	4.81	5.33	4.80	4.47	4.82	
	2	4.78	5.42	4.75	5.18	4.77	5.14	5.76	4.82	5.34	4.75	4.62	4.80	
	3	4.89	5.40	4.83	5.20	4.74	5.20	5.78	4.86	5.32	4.72	4.81	4.80	
	4	4.97	5.37	4.76	5.27	4.71	5.25	5.77	4.85	5.31	4.69	4.91	4.76	
	5			4.77	5.31					5.34				
July	1	4.99	5.34	4.82	5.31	4.70	5.14	5.76	4.84	5.36	4.65	4.87	4.90	
	2	5.00	5.26	4.84	5.21	4.71	5.04	5.70	4.79	5.30	4.56	4.91	5.03	
	3	5.10	5.27	4.87	5.19	4.67	5.11	5.66	4.77	5.32	4.51	4.90	5.07	
	4	5.20	5.26	4.86	5.13	4.63	5.23	5.67	4.78	5.32	4.44	5.03	4.99	
	5		5.31				5.20	5.66	4.80				4.93	
August	1	5.42	5.24	4.90	5.06	4.66	5.23	5.68	4.79	5.21	4.46	5.05	4.89	
	2	5.42	5.15	4.93	5.02	4.67	5.17	5.66	4.74	5.09	4.50	5.05	4.86	
	3	5.50	5.12	4.88	4.97	4.75	5.15	5.62	4.69	5.10	4.52	5.18	4.85	
	4	5.41	5.13	4.87	4.93	4.89	5.17	5.59	4.61	5.13	4.49	5.29	4.80	
	5	5.40			4.91	4.83					4.45	5.30		
September	1	5.41	5.09	4.83	4.88	4.81	5.15	5.43	4.63	5.15	4.43	5.35	4.83	
	2	5.32	5.07	4.87	4.85	4.69	5.09	5.33	4.65	5.07	4.42	5.31	4.86	
	3	5.24	5.03	4.96	4.79	4.76	5.44	4.98	4.63	5.11	4.37	5.24	4.90	
	4	5.22	4.97	4.98	4.77	4.77	5.56	4.86	4.58	4.96	4.31	5.17	4.78	
	5			5.04				4.59	5.01					
October	1	5.20	5.02	5.06	4.77	4.72	5.69	4.69	4.58	5.04	4.28	5.17	4.72	
	2	5.34	5.08	5.11	4.76	4.78	5.97	4.69	4.57	5.06	4.32	5.23	4.65	
	3	5.34	4.99	5.13	4.79	4.73	6.48	4.86	4.60	5.07	4.33	5.25	4.46	
	4	5.25	4.93	5.21	4.78	4.67	6.06	4.87	4.67	5.10	4.33	5.16	4.49	
	5	5.24	4.97				6.09	4.95				5.14	4.53	
November	1	5.23	4.99	5.24	4.61	4.73	6.02	5.01	4.71	5.05	4.29	5.18	4.61	
	2	5.17	5.10	5.24	4.60	4.85	5.98	5.02	4.87	5.00	4.23	5.23	4.62	
	3	5.09	5.07	5.21	4.60	4.85	5.98	5.04	5.25	5.09	4.17	5.26	4.62	
	4	5.09	5.07	5.20	4.60	4.80	6.06	5.03	5.16	5.06	4.14	5.23	4.58	
	5				4.55	4.77					4.08			
December	1	5.19	5.15	5.23	4.53	4.74	6.17	4.98	5.18	5.09	4.06	5.30	4.50	
	2	5.15	4.99	5.20	4.52	4.79	6.39	4.93	5.32	5.03	4.12	5.37	4.41	
	3	5.06	4.95	5.19	4.53	4.76	6.22	4.92	5.48	5.01	4.26	5.40	4.43	
	4	5.04	5.00	5.15	4.56	4.80	6.07	4.94	5.42	5.01	4.28	5.33	4.43	
	5	5.05	5.04	5.11				4.95	5.38	4.97			4.39	

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Cumb. 3-16: [Ref. – PWSB response to Cumb. 1-21] With respect to your attachment listing all the streets included in CL-6 and the detailed cost estimate, what portion (dollar amount and percentage) of the cost estimate is attributable to mains that are larger than 12 inches in diameter? Assuming the funds needed for this project (CL-6) are approved near the end of FY2016, what is a realistic schedule for completing a portion of the streets in FY2016 (number of streets and dollar amount), if any; in FY2017 (number of streets and dollar amount); and in FY2018 (number of streets and dollar amount)?

Response: CL-6 consists of cleaning and lining mainly 6" and 8" mains. In the process there may be small sections of 12" and larger pipe that need to be replaced in order to facilitate the new connections. The PWSB has replaced or cleaned and lined all of our transmission piping in earlier projects. Typically the PWSB completes 90% of the piping work in our projects during the season in which the contract is awarded, which would mean that the bulk of the work, approximately \$3.87 million, would take place in the very end of FY16 and the beginning of FY 17. There would likely be a minor amount of work in the spring of FY17.

Prepared by: J. DeCelles

Cumb. 3-17: [Ref. – PWSB response to Cumb. 1-21] In describing the benefits of the project you state – “The cleaned and lined pipes will significantly increase flow capacity as well as eliminate water quality issues associated with unlined cast iron. The cleaning and lining will also increase fire- fighting capabilities in these areas.” Is the current flow capacity of any of the pipe segments to be cleaned and lined below PWSB’s standards or causing significant low flow problems to customers? If so, specify which pipe segments and describe the variance from the standard or the problem impacting some customers. Is the current water quality from any of the pipe segments to be cleaned and lined below PWSB’s standards or causing significant quality problems for customers. If so, specify which pipe segments and describe the variance from the standard or the problem impacting some customers. Is the current fire-fighting capacity of any of the pipe segments to be cleaned and lined below PWSB’s or industry standards for fire-fighting capacity? If so, specify which pipe segments and describe the variance from the standard.

Response: To our knowledge, none of the pipe segments to be replaced are below ISO Fire Flow Standards or are causing significant low flow problems. The project will improve the flow capacity of the pipes and improve flow characteristics. The new pipes also improve the efficiency of our pumping efforts by removing flow restrictions. The pipes in the project area do experience periodic “dirty water “ during high flow events like hot summer days or fire flow in the vicinity. One of the main reasons the PWSB and the City of Pawtucket decided to undertake a complete rehabilitation of the transmission and distribution system in the late 1990’s and early 2000’s was to improve the water quality and reliability of the entire system. Prior to the commencement of the system-wide rehabilitation, the PWSB’s customers experienced numerous water quality issues and service interruptions due to main breaks. The issues related to the PWSB’s system-wide rehabilitation project have been fully addressed before the PUC, specifically in Dockets 3378 and 3497. As set forth above, to our knowledge, none of the pipe segments to be replaced are below ISO Fire Flow Standards.

Prepared by: J. DeCelles

Cumb. 3-18: [Ref. – PWSB response to Cumb. 1-21] With respect to your response of the question what would the impacts (specific) be of a one year delay in this project, you responded as follows – “While no one can be certain, the delay would likely result in increased construction costs due to inflation, as well as the potential for unnecessary maintenance costs due to leaks and other issues. Any delays in the project could also result in increased interest rates for project loans.” By how much do you believe construction costs are likely to increase by over the next year or two due to inflation? Is it also possible that construction inflation rates over this short term timeframe could be 1% or lower? Is the potential for unnecessary maintenance costs due to leaks and other issues relatively high or relatively low? In the past 2 years (FY2014 and FY2015 to date), which of the mains to be cleaned and lined as part of this project experienced significant leaks in terms of lost water and high repair cost? Please list the location, date and cost of repair for each such leak. By how much do you believe interest rates on PWSB loans are likely to increase by over the next year or two? Is it also possible that such interest rates over this short term timeframe could remain unchanged? Are you aware that such rates have either not increased significantly or have decreased in recent years?

Response: There is no way to definitively predict construction costs if the PWSB delayed this project. We do know that the cost of water works materials has steadily increased in recent years and the fixed costs for items such as police details have also increased. I would not anticipate either of those costs will decrease. The actual construction costs fluctuate inversely with the economy. When the economy is slow, our experience is that the costs in response to our project bids are lower, which may be attributable to the scarcity of work and increased competition. However, in good economic times, our experience is that the responses to project bids contain higher costs. So if the local economy improves, the construction costs are more likely to increase.

It difficult to say whether the potential for unnecessary maintenance costs due to leaks and other issues is relatively high or relatively low? The PWSB would need to know the frame of reference assumed in this question. However, it would stand to reason that older pipe that is not

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replaced or re-lined is more likely to need maintenance that could be avoided if it were replaced or re-lined.

To determine which of the mains to be replaced as part of this project experienced "significant" leaks in terms of lost water and "high" repair cost in the past two years (FY 2014 and FY2015 to date) would be very difficult. First, the terms "significant" and "high" are undefined in this question. Second, this project encompasses 41,828 linear feet of pipe on numerous streets in two cities. To determine the amount and cost of repairs on the streets in this project for the past two years would require someone to go through thousands of work orders and determine which work was on the project streets. This would be an extremely time consuming project that the PWSB is unable to complete at this time. However, the PWSB can supply the Town of Cumberland with all work orders for the two year period requested for its own review.

Finally, the PWSB does not know how much interest rates are likely to increase over the next year or two, or whether they will remain unchanged. The PWSB does not know which "recent years" Cumberland refers to in its question, but the attachment to Cumb. 3-15 is a Bond Buyer's Index supplied by the PWSB's financial advisor, First Southwest Company that sets forth an index of interest rates.

Prepared by: J. DeCelles, with information provided by First Southwest Company

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Cumb. 3-19: [Ref. – PWSB response to Cumb. 1-22 and Cumb. 1-23] From your response to these two Information Requests it appears that you plan to fund the IFR Fund with \$7.5 million for the 3 years of the rate period (FY 2016 – FY 2018) and will only spend \$582,500 on “further distribution work” over that period (MR-10 and CL-6 will be funded with new debt). What will the remaining \$6.9 million be used for? Please provide detailed descriptions of all other projects that will be funded from the IFR Fund and completed before the end of FY2018 along with realistic schedules of when these projects will be started and completed. In providing these additional IFR funded projects and scheduled construction, keep in mind that PWSB has stated (as part of this case) it will complete MR-10 and CL-6 and nearly \$600,000 of additional distribution work over this same period, which is effectively only 2.5 years (as half of FY2016 will have been completed before this case is resolved).

Response: The IFR will be used extensively over this period for a variety of projects as highlighted below. Please see attached. The number, scope, and timing of projects will depend on the collection and availability of these funds.

Prepared by: J. DeCelles

20 YEAR CIP PROJECTS						
PAWTUCKET WATER SUPPLY BOARD						
CAPITAL IMPROVEMENTS PLAN PROJECTS						
Updated as of 06/01/15						
Project Name	Funding Source	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Land Acquisition	RES/WRB					
Watershed Security Fencing	IRF	\$ 40,000	\$ 40,000	\$ 40,000	\$ 40,000	\$ 40,000
Well Rehabilitation (2A, 3, 4, 5, 6, 7, 8, 9)	IRF	\$ 15,000	\$ 15,000	\$ 15,000	\$ 15,000	\$ 15,000
Well Station Rehabilitation (Eng/Perm/Const) 3	IRF		\$ 150,000			
Well Station Rehabilitation (Eng/Perm/Const) 4	IRF		\$ 150,000			
Well Station Rehabilitation (Eng/Perm/Const) 5	IRF			\$ 150,000		
Well Station Rehabilitation (Eng/Perm/Const) 6	IRF			\$ 150,000		
Well Station Rehabilitation (Eng/Perm/Const) 7	IRF				\$ 150,000	
Well Station Rehabilitation (Eng/Perm/Const) 8	IRF				\$ 150,000	
Well Station Rehabilitation (Eng/Perm/Const) 9	IRF				\$ 150,000	
EAP for all Dams & Spillways	IRF		\$ 100,000			
Happy Hollow Dam Improve (Eng/Perm/Const)	IRF		\$ 600,000	\$ 1,500,000	\$ 1,500,000	
Arnold Mills Dam Improve (Eng/Perm/Const)	IRF					\$ 250,000
Diamond Hill Dam Improve (Eng/Perm/Const)	IRF					
Raw Water Facilities Total		\$ 55,000	\$ 1,055,000	\$ 1,855,000	\$ 2,005,000	\$ 305,000
Pump Station 3 Demo (Eng/Perm/Const)	WTP		\$ 300,000			
Sludge Removal	IRF		\$ 171,242			
Decomission 120 Mill St WTP (Eng/Perm/Const)	IRF				\$ 1,000,000	\$ 1,000,000
WTP Maintenance and Repairs	IRF					\$ 500,000
Water Treatment Facilities Total		\$ -	\$ 471,242	\$ -	\$ 1,000,000	\$ 1,500,000
Hydraulic Model Software	IRF		\$ 30,000			
Hydraulic Model Additional Services	IRF	\$ 15,000	\$ 15,000			
3 MG Stump Hill Tank Rehab. (Eng/Perm/Const)	IRF				\$ 250,000	\$ 600,000
3 MG Tank Inspection	IRF			\$ 2,000		
10 MG Stump Hill Tank Rhb (Eng/Perm/Const)	IRF					
10 MG Tank Inspection	IRF			\$ 3,000		
Lincoln Interconnection (1.2 million)	IRF					
East Providence Interconnection (4 mil.)	IRF					
MR-10 Improvements	SRF	\$3,000,000	\$2,400,000			
CL-6 Improvements	SRF		\$ 800,000	\$ 3,500,000		
MR-11 Improvements	IRF				\$ 582,500	\$ 582,500
MR-12 Improvements	IRF					
MR-13 Improvements	IRF					
MR-14 Improvements	IRF					
MR-15 Improvements	IRF					
Leak Detection in Distribution System	IRF				\$ 20,000	\$ 20,000
Main, Hydrant & Service repl. (T&D) w/3% infl.	IRF	\$ 90,000	\$ 92,700	\$ 95,500	\$ 98,400	\$ 101,400
Road and sidewalk rest. (T & D) w/3% infl.	IRF	\$ 230,000	\$ 236,900	\$ 244,100	\$ 251,500	\$ 259,100
Transmission & Distribution Total		\$ 3,335,000	\$ 3,574,600	\$ 3,844,600	\$ 1,202,400	\$ 1,563,000
Vehicles & Equipment	IRF	\$ 350,000	\$ 500,000	\$ 500,000	\$ 150,000	\$ 150,000
Asset Management	IRF	\$ 50,000	\$ 250,000			
Computer hardware & software	IRF	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000
Misc facility repairs/installations	IRF	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000
Meter replacement (materials) w/3% infla	IRF	\$ 105,000	\$ 108,200	\$ 111,500	\$ 114,900	\$ 118,400
Administration Total		\$ 605,000	\$ 958,200	\$ 711,500	\$ 364,900	\$ 368,400
Grand Total		\$ 3,995,000	\$ 6,059,042	\$ 6,411,100	\$ 4,572,300	\$ 3,736,400
Funding Source		FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Infrastructure Reserve Fund		\$ 995,000	\$ 2,559,042	\$ 2,911,100	\$ 4,572,300	\$ 3,736,400
Debt Service		\$ 3,000,000	\$ 3,200,000	\$ 3,500,000	\$ -	\$ -
Restricted Land Fund		\$ -	\$ -	\$ -	\$ -	\$ -
WTP Reserve Fund		\$ -	\$ 300,000	\$ -	\$ -	\$ -

STATE OF RHODE ISLAND PUBLIC UTILITIES COMMISSION

DOCKET NO. 4550

Response Of The Pawtucket Water Supply Board
To The Town of Cumberland's
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Set 3

Cumb. 3-20: [Ref. – PWSB response to Cumb. 1-24] What is the balance at the end of FY2014 in each of the Funds/Accounts listed in each item in your response (1 through 3, 4a and 4b, and 5) to Cumb. 1-24? Also for each fiscal year 2015 through 2018 list PWSB's estimates of amount in and out of each of these Funds/Accounts assuming your proposed increase is approved in total. Lastly, for each Fund/Account, if the balance at the end of any year exceeds the required balance, indicate the amount of this exceedance for each of the forecast years (FY2015 through FY2018).

Response:

1. The O&M fund does not have any required restricted accounts or any restricted funding levels.
2. See attached Schedule Cumb 3-20 Debt Service Fund.
3. See attached Schedule Cumb 3-20 O&M Reserve Fund and the response to Cumb 3-3.
4. a. See attached Schedule Cumb 3-20 Plant Decommissioning Account.
4. b. See attached Schedule Cumb 3-20 Revenue Allowance Account.
5. See Schedule 3-12 for the IFR account.

Prepared by: R. Benson

Schedule CUMB 3-20 Plant Decommissioning Account

PAWTUCKET WATER SUPPLY BOARD
Plant Decommissioning Account

	FY14	FY15	FY16	FY17	FY18	FY19
Beginning Cash Balance - July 1	727,808.73	735,835.33	743,193.68	450,625.62	455,131.88	459,683.20
Additions						
Investment income	8,026.60	7,358.35	7,431.94	4,506.26	4,551.32	4,596.83
Total Additions	8,026.60	7,358.35	7,431.94	4,506.26	4,551.32	4,596.83
Deductions						
Pump Station 3 Demolition	0.00	0.00	300,000.00	0.00	0.00	0.00
Ending Cash Balance - June 30	735,835.33	743,193.68	450,625.62	455,131.88	459,683.20	464,280.03

Schedule Cumb 3-20 Debt Service Fund

PAWTUCKET WATER SUPPLY BOARD

Restricted Debt Service Account Balances

Years ended thru September 30, thru 2018

RICWFA Debt Stabilization Account

Beginning Cash Balance

Total Additions - Rate Revenue & Interest Income

Total Deductions

Ending Cash Balance - Debt Stabilization

RICWFA Debt Service Account

Bank of NY Account # 600582

GL Account # 305-0000-101.91-02

Beginning Cash Balance

Total Additions

Total Deductions

Ending Cash Balance - Debt Service Account

Excess Funds in the Debt Service Account

	FY2014	FY2015	FY2016	FY2017	FY2018
	2,863,417.17	2,552,938.70	2,136,174.99	1,443,111.32	795,887.16
	52,896.75	180.33	-	-	-
	363,375.22	416,944.04	693,063.67	647,224.16	386,639.15
	<u>2,552,938.70</u>	<u>2,136,174.99</u>	<u>1,443,111.32</u>	<u>795,887.16</u>	<u>409,248.01</u>
	4,575,842.27	5,005,890.26	5,714,713.75	5,296,419.43	6,313,130.16
	7,944,006.96	8,341,797.76	7,669,010.09	9,517,284.69	9,523,546.52
	<u>7,513,958.97</u>	<u>7,632,974.27</u>	<u>8,087,304.41</u>	<u>8,500,573.96</u>	<u>8,773,980.85</u>
	<u>5,005,890.26</u>	<u>5,714,713.75</u>	<u>5,296,419.43</u>	<u>6,313,130.16</u>	<u>7,062,695.83</u>
	363,252.02	687,195.72	NONE	681,913.87	1,342,758.22

Schedule CUMB 3-20 Revenue Allowance Account

PAWTUCKET WATER SUPPLY BOARD
Revenue Stabilization/Operating Revenue Allowance

	FY14	FY15	FY16	FY17	FY18	FY19
Beginning Cash Balance - July 1	619.31	619.31	619.31	294,993.31	589,367.31	883,741.31
Additions						
Restricted Rate Revenue	0.00	0.00	294,374.00	294,374.00	294,374.00	294,374.00
Investment income	-	-	-	-	-	-
Total Additions	-	-	294,374.00	294,374.00	294,374.00	294,374.00
Deductions						
	0.00	0.00	0.00	0.00	0.00	0.00
Ending Cash Balance - June 30	619.31	619.31	294,993.31	589,367.31	883,741.31	1,178,115.31

Note: These deposits are dependent upon PWSB realizing the full revenues authorized in Docket 4550.

Schedule CUMB 3-20 O&M Reserve

PAWTUCKET WATER SUPPLY BOARD

Trust Indenture O&M Reserve Account

For the year ended June 30, 2014

	FY14	FY15	FY16	FY17	FY18	FY19
Beginning Cash Balance - July 1	2,708,180.96	2,708,185.21	2,708,205.01	2,708,206.01	2,708,207.01	2,708,208.01
Additions						
From Rates - required revenue allocation	0.00	0.00	0.00	0.00	0.00	0.00
From Rates - excess revenue allocation	0.00	0.00	0.00	0.00	0.00	0.00
Investment income	4.25	19.80	1.00	1.00	1.00	1.00
Total Additions	4.25	19.80	1.00	1.00	1.00	1.00
Deductions						
Transfer excess revenue deposit to IFR	0.00	68,206.67	0.00	0.00	0.00	0.00
Ending Cash Balance - June 30	2,708,185.21	2,639,998.34	2,708,206.01	2,708,207.01	2,708,208.01	2,708,209.01

STATE OF RHODE ISLAND PUBLIC UTILITIES COMMISSION

DOCKET NO. 4550

Response Of The Pawtucket Water Supply Board

To The Town of Cumberland's

Data Requests

Set 3

Cumb. 3-21: [Ref. – PWSB response to Cumb. 1-24] Again with respect to the funding of the IFR Fund, if the funding of that Fund was lowered to \$2.0 million per year (instead of \$2.5 million per year), but everything else was approved as proposed what specific impact(s) would that have in the short run (FY2016 through FY2018) on MR-10, CL-6, the other distribution improvements now planned for FY2018 (about \$600,000), and any other projects that PWSB is sure they can be started and completed before the end of FY2018? These "other projects" should be the same or nearly the same as the "other projects" that are provided in response to Cumb. 3-19.

Response: Any reduction in the IFR funding level would extend the PWSB's capital improvement program, and would mean increased costs for projects. For example, the cost of projects such as tank painting, or dam and well rehabilitation, increases because the further a tank, dam or well deteriorates, the more it costs to rehabilitate. The longer the PWSB waits to replace aging equipment, the higher the cost and the PWSB will also be incurring costs to maintain the aging equipment. Any delays in the meter replacement program would have to be made up in out years in order to maintain the replacement schedule.

Prepared by: C. Woodcock

STATE OF RHODE ISLAND PUBLIC UTILITIES COMMISSION

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Response Of The Pawtucket Water Supply Board

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Data Requests

Set 3

Cumb. 3-22: [Ref. – PWSB response to Cumb. 1-25] Near the end of your response to Cumb. 1-25 you state, "The PWSB reviews these bonds for potential refinancing on a regular basis." Please provide the dates of the last 3 such reviews along with the interest rates available at the time of each review and a detailed explanation of why the bonds were not refinanced at those times. If such a review has not taken place in the last 12 months, why hasn't one taken place in that timeframe when interest rates were at or near all-time lows? Please provide detailed responses to each question.

Response: The data is reviewed approximately once per year. Detailed results of each review are not retained, however the data for the inputs utilized in the analysis is available so the analysis can be replicated.

The 2003 Bonds are taxable and are not eligible for the subsidized rates normally available through the RICWFA. Therefore, the interest rate is based on the US Treasury curve plus a credit spread. For example, in 2003, the 30 year US Treasury rate was 5.02% on the day of pricing and the 30 year rate on the bonds was 6.002%. In addition, the principal amortization was delayed to year 21 to wrap the taxable debt service around the 20 year State Revolving Fund loans to smooth out the debt service increase for the Water Treatment Plant.

Following is a summary of hypothetical refunding results for recent years based upon Treasury rates and projected interest cost for refinancing the 2003 Bonds at those times:

**Pawtucket Water Supply Board
Refunding Opportunity Summary**

Market rates are for taxable 'A' rating
May 29, 2015

Savings Summary	Revenue Refunding Bonds 2015	Revenue Refunding Bonds 2014	Revenue Refunding Bonds 2013	Revenue Refunding Bonds 2009
Date	May 2015	July 2014	September 2013	November 2009
US Treasury	2.990%	3.960%	3.860%	4.410%
TIC (Projected)	5.000%	5.190%	5.400%	6.090%
D/S Savings (Cost)	(452,350)	(1,757,378)	(2,672,716)	(17,099,766)
Annual D/S Savings (Cost)	Approx. (21,000)	Approx. (100,000)	Approx. (118,000)	Approx. (650,000)
All-in TIC	5.078%	5.078%	5.078%	5.000%
Net Present Value Savings (\$)	414,856	(7,071,130)	(757,979)	(119,283)
Net Present Value Savings (%)	1.537%	-26.194%	-2.808%	-0.442%

STATE OF RHODE ISLAND PUBLIC UTILITIES COMMISSION

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To The Town of Cumberland's

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Most issuers seek a minimum of 3% Net Present Value Savings which would require a higher projected level prior to initiating a refunding bond issue to accommodate interest rate risk. None of the prior reviews approached that level of savings.

Prepared by: Prepared under the Supervision of R. Benson with information from Maureen Gurghigian of First Southwest Company

Cumb. 3-23: [Ref. – PWSB response to Cumb. 1-31, 1-31a and 1-32] Why was the original loan lowered to \$5.907 million? Is it designed to cover the MR-10 project only, or that plus something else? How is it, as you state, that by reducing a bond issue by about 45% (\$4.7 million) from \$10.6 million to \$5.9 million (and at a lower interest rate) that a principal payment can increase by \$251,000? Furthermore, if the same term is used and the interest rate is lower, why aren't all Debt Service payments cut by about 50%? Please provide the amortization tables for two bond issues: one with the \$10.6 million principal with the term and interest rate used in the filing; and another with a principal of \$5.907 million using the same term as the \$10.6 million bond, and the interest rate that was used in the comparison provided in your response to Cumb. 1-32.

Response: As set forth in the my direct testimony, the PWSB had originally planned to borrow \$10,600,000 from the RICWFA in the spring of 2015 to fund main replacement project MR-10 and cleaning and lining project CL-6. However, as set forth in my responses to Cumberland Data Requests 1-31(a) and 1-32, the CL-6 cleaning and lining project is not currently on the Rhode Island Department of Health Project ("RIDOH") Priority List and will not be eligible until Fiscal Year 2016. A project must be on the list to qualify for RICWFA borrowing. Thus, the PWSB cannot borrow funds from RICWFA for CL-6 until Fiscal Year 2016. As a result, the PWSB will only borrow \$5,907,000 in Fiscal Year 2015 for MR-10, and will borrow the remaining funds for CL-6 in Fiscal Year 2016.

As set forth in the debt service schedule for the \$10.6 million loan provided in the original filing, the initial principal payments were \$1,000 on September 1, 2015 and 2016. The schedule for the \$5.97 million borrowing shows that the principal payment on September 1, 2016 is \$251,000. This is because principal payments increase once the project is complete. Since the projects are now split into two borrowings, the increased principal payment on the MR-10 project is accelerated.

Cumberland has the debt service schedule for the \$10.6 million borrowing as it was provided as Schedule RB-3 in my original direct testimony. The revised debt service schedules for the MR-10 and CL-6 borrowings were provided in my Supplemental Direct Testimony as

STATE OF RHODE ISLAND PUBLIC UTILITIES COMMISSION

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Response Of The Pawtucket Water Supply Board

To The Town of Cumberland's

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Schedule RB-03 Revised. The interest rates and payment schedules are available on the original and revised RB-03 debt service schedules.

Prepared by: R. Benson

STATE OF RHODE ISLAND PUBLIC UTILITIES COMMISSION

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Response Of The Pawtucket Water Supply Board

To The Town of Cumberland's

Data Requests

Set 3

Cumb. 3-24: [Ref. – PWSB response to Cumb. 1-31, 1-31a and 1-32] In your response to Cumb. 1-32 you state that CL-6 will not be eligible for SRF funds until FY2016 and that because of this the bond for CL-6 will be delayed one year to FY2016. If it isn't eligible until FY2016, isn't it likely that the actual approval may not happen until well into FY2016 and that if that happens the closing date for the associated bonds could easily be delayed until late FY2016 or early FY2017? If you disagree, explain in detail why you disagree. You also indicate that the bond size for CL-6 is \$4.918 million. Have you factored in the current estimate for this project of just under \$3.6 million (see response to Cumb. 1-21)? If you have, please provide all assumptions, calculations and supporting documents used to derive that bond size. If you haven't factored in the lower cost estimate, please do so and provide the new bond size and associated amortization schedule.

Response: The PWSB plans on contacting RIDOH before the end of calendar 2015 to ensure CL-6 is placed on the Project Priority List as an approved project so the loan is approved in the spring of 2016. This will ensure that we can award the contract for the 2016 construction season. In addition, we expect that 90% of the construction invoices will be paid in FY2017 and the balance paid in FY2018. The actual loan value to fund CL-6 is \$4.718 million. Please see the revised debt service schedules for the CL-6 borrowings, which were provided in my Supplemental Direct Testimony as Schedule RB-03 Revised. This schedule provides the calculations for the loan value and the debt service schedules. Finally, the estimate of \$3.6 million for this project set forth in the response to Cumb. 1-21 was inaccurate. Please see the PWSB's revised response to Cumb. 1-21.

Prepared by: R. Benson and J. DeCelles

STATE OF RHODE ISLAND PUBLIC UTILITIES COMMISSION

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Response Of The Pawtucket Water Supply Board

To The Town of Cumberland's

Data Requests

Set 3

Cumb. 3-25: [Ref. – PWSB response to Cumb. 1-31, 1-31a and 1-32] Based on the new bond sizes and their timing; your responses to all Information requests to date related to these projects (MR-10 and CL-6) and their associated funding; and new information available to the PWSB since the filing date, What changes would you make to Schedules RB-02 and RB-3, and how would the levels of the proposed increases change given those revisions?

Response: Please see my Supplemental Direct Testimony filed on May 28, 2015.

Prepared by: R. Benson

STATE OF RHODE ISLAND PUBLIC UTILITIES COMMISSION

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Response Of The Pawtucket Water Supply Board

To The Town of Cumberland's

Data Requests

Set 3

Cumb. 3-26: [Ref. – PWSB response to Cumb. 1-37] It is now the middle of May, please provide the update that was indicated in your response to Cumb. 1-37 in your response to this Information Request. Alternatively, if is not available at the time of your response, explain why it is not, and describe what needs to be done before it will be available along with a date certain when it will be available. Will the update include a final service fee amount charged in FY2015? If so, show all assumptions, calculations and analysis used to compute that amount. How is that amount reconciled with the Budget amount shown on RB-07?

Response: Please see the attached Revised RB-07 which has been updated with the final service fee for FY15. That amount will be \$1,869,781. This schedule has also been updated to include a revised budget for the Rate Year and that amount is \$1,899,288. The revised RB-07 shows all calculations to arrive at this amount. This schedule has also been revised to use the most recent 5 year CPI average which is 2.02%. Therefore, the net change from the original filing for the DBO fee is a reduction \$182,996.

Prepared by: R. Benson

Pawtucket Water Supply Board

Water Treatment Facility Service Fee Analysis

Balances per PWSB Accounting Records

For year ending June 30, 2016

Service Fee Calculation

Mill Street WTP operations transferred to contractor on 2/15/04.

Branch Street WTP completed and placed in service 3/18/08.

Contract awarded to Earth Tech 9/10/03. Earth Tech acquired by AECOM effective July 28, 2008.

Current contractor is UNITED WATER. United Water acquired operations division from AECOM effective 2010.

Consumer Price Index - All Urban Consumers: Northeast Urban - Size Class B/C (from US Department of Labor website)														
Calculate Annual CPI Factor		2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
		Jan	113.1	116.0	119.4	124.8	127.237	133.3010	138.416	141.001	145.456	147.337	149.186	
		Feb	113.8	116.6	120.1	125.2	127.546	133.5110	138.491	141.547	146.217	148.195	149.685	
		Mar	115.0	117.4	121.3	126.0	128.691	134.6110	138.871	143.001	146.961	147.909	150.706	
		Apr	114.4	118.1	122.0	127.3	129.563	135.7390	139.115	143.987	147.460	147.909	150.466	
		May	114.2	118.3	121.6	127.4	130.488	136.9130	139.362	144.697	147.244	147.971	151.354	
		Jun	113.9	118.7	121.8	127.7	130.893	138.5420	139.163	144.525	146.533	147.926	151.162	
		Jul	114.5	119.2	123.0	128.2	131.391	139.6230	139.274	144.952	146.456	148.223	151.359	
		Aug	114.4	118.9	123.0	128.5	130.519	138.5370	139.348	145.339	146.885	148.802	150.633	
		Sep	115.0	119.2	124.5	127.2	130.206	137.7230	139.229	145.369	147.846	148.683	150.559	
		Oct	115.2	120.1	125.2	126.9	130.761	136.7300	139.746	145.404	148.210	148.483	150.333	
		Nov	115.3	120.1	124.3	126.4	132.049	134.4450	140.282	145.335	147.246	148.420	149.150	
		Dec	115.0	119.2	123.6	126.7	132.323	132.8300	140.351	145.062	147.004	148.367	148.240	
		1373.8	1421.8	1469.8	1522.3	1561.7	1632.5	1629.9	1671.6	1730.2	1763.5	1778.2	1802.8	0.0
Calculate CPI Adjustment %														
	Current Year End CPI factor	1,373.80	1,421.80	1,469.80	1,522.30	1,561.70	1,632.50	1,629.90	1,671.60	1,730.20	1,763.50	1,778.20	1,802.80	
	Prior Year End CPI factor		1,373.80	1,421.80	1,469.80	1,522.30	1,561.70	1,632.50	1,629.90	1,671.60	1,730.20	1,763.50	1,778.20	
	CPI adjustment		48.00	48.00	52.50	39.40	70.80	(2.60)	41.70	58.60	33.30	14.70	24.60	
	CPI Adjustment %		3.49%	3.38%	3.57%	2.59%	4.53%	-0.16%	2.60%	3.50%	1.90%	0.80%	1.40%	
		1	1	1	1	1	1	1	1	1	1	1	1	0
Calculate Annual Service Fee - Option B (New Treatment Facility)														
	Current Service Fee		1,429,458.20	1,479,346.29	1,529,348.20	1,583,945.93	1,624,970.13	1,698,581.28	1,695,863.55	1,739,955.97	1,800,854.40	1,835,070.63	1,849,751.23	
	CPI Adjustment %		3.49%	3.38%	3.57%	2.59%	4.53%	-0.16%	2.60%	3.50%	1.90%	0.80%	1.40%	
	Service Fee increase		49,888.09	50,001.90	54,597.73	41,024.20	73,611.15	(2,717.73)	44,092.45	60,898.46	34,216.23	14,680.57	25,896.52	
	New Annual Service Fee		1,479,346.29	1,529,348.19	1,583,945.93	1,624,970.13	1,698,581.28	1,695,863.55	1,739,956.00	1,800,854.43	1,835,070.66	1,849,751.23	1,875,647.75	
	Number of months		12	12	12	12	12	12	12	12	12	12	12	
	New Monthly Service Fee		123,278.86	127,445.68	131,995.49	135,414.18	141,548.44	141,321.96	144,996.33	150,071.20	152,922.56	154,145.94	156,303.98	
Pass Through Costs														
	Annual Performance Bond (annual term effective 2/15)		15,800.00	15,800.00	15,800.00	15,800.00	15,800.00	15,800.00	17,154.00	12,217.00	12,430.00	12,521.00	12,682.00	
	Number of months		12	12	12	12	12	12	12	12	12	12	12	
	Monthly Amount Pass Through Costs		1,316.67	1,316.67	1,316.67	1,316.67	1,316.67	1,316.67	1,429.50	1,018.08	1,035.84	1,043.42	1,056.83	
	Monthly Invoice Amount		124,595.53	128,762.35	133,312.16	136,730.85	142,865.11	142,638.63	146,425.83	151,089.28	153,958.40	155,189.36	157,360.81	
							</							

Pawtucket Water Supply Board

Water Treatment Facility Service Fee Analysis

Balances per PWSB Accounting Records

For year ending June 30, 2016

Service Fee Calculation

Mill Street WTP operations transferred to contractor on 2/15/04.

Branch Street WTP completed and placed in service 3/18/08.

Contract awarded to Earth Tech 9/10/03. Earth Tech acquired by AECOM effective July 28, 2008.

Current contractor is UNITED WATER. United Water acquired operations division from AECOM effective 2010.

Year 13													
FY16 Budget 2016													

STATE OF RHODE ISLAND PUBLIC UTILITIES COMMISSION

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Response Of The Pawtucket Water Supply Board

To The Town of Cumberland's

Data Requests

Set 3

Cumb. 3-27: [Ref. – PWSB response to Cumb. 1-38] Given your response to Cumb. 1-38 relative to discarding an outlier that occurred in calendar 2009 wouldn't you also agree that if the older 5 years of a 10 year average are uniformly higher than the more recent 5 years, then for planning purposes, a better estimate of how that indicator will likely perform in the short term future, should at least place less emphasis on the older data? If you disagree, please explain in detail your reasons for disagreeing. If the CPI increase in calendar 2014 approximates the increases in 2012 and 2013, wouldn't it be more appropriate or reasonable to base the CPI increase that is used to estimate the FY2016 service fee on an average of the CPI changes from calendar 2012 through 2014? If you disagree, please explain in detail your reason(s) for disagreeing.

Response: Please see the response to Cumb. 3-26. The CPI increase has been revised to the most recent 5 year average.

Prepared by: R. Benson

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DOCKET NO. 4550

Response Of The Pawtucket Water Supply Board

To The Town of Cumberland's

Data Requests

Set 3

Cumb. 3-28: [Ref. – PWSB response to Cumb. 1-40] Please provide the monthly consumption data for April of this year in the same format as the information that was provided in response to Division data requests 1-9 and 1-10. Also provide the same consumption information for the month of May as soon as it is available. As part of your response to this information request provide the earliest date in June when the May data should be available.

Response: Please see the updated schedule that includes the consumption information billed in the month of May. The June consumption data will not be available until the billing process is complete which is expected to be on June 30, 2015.

Prepared by: R. Benson

Meter Size	Docket 4171	Jul-11	Aug-11	Sep-11	Oct-11	Nov-11	Dec-11	Jan-12	Feb-12	Mar-12	Apr-12	May-12	Jun-12	FY12	% of Docket
Meter Size	Docket 4171	Jul-11	Aug-11	Sep-11	Oct-11	Nov-11	Dec-11	Jan-12	Feb-12	Mar-12	Apr-12	May-12	Jun-12	FY12	% of Docket
5/8	0	170,263,071	220,419,436	141,520,321	160,341,021	134,542,045	135,614,072	147,111,621	129,392,872	127,107,427	140,653,273	140,829,825	164,881,240	1,812,676,224	
3/4	0	4,013,557	5,333,953	3,869,921	4,006,076	3,222,067	3,156,982	3,257,227	2,941,529	3,441,260	3,370,191	3,408,344	3,977,648	43,998,753	
1	0	9,957,211	12,127,449	8,671,227	11,035,223	8,184,214	8,035,342	8,618,112	8,012,899	7,810,164	8,312,139	8,364,506	10,009,578	109,138,065	
Small	1,996,829,268	184,233,839	237,880,838	154,061,470	175,382,320	145,948,325	146,806,396	158,986,960	140,347,301	138,358,851	152,335,603	152,602,675	178,868,466	1,965,813,042	
1 1/2	0	7,862,531	9,530,794	6,403,736	7,832,607	6,284,040	6,246,635	6,613,204	5,999,762	5,999,762	6,695,495	6,313,964	7,264,051	83,046,581	
2	0	32,178,025	42,314,032	27,143,312	31,722,432	26,693,704	29,335,245	27,471,728	25,855,832	26,206,691	32,506,441	27,068,502	30,979,569	359,475,516	
Medium	464,807,996	40,040,556	51,844,826	33,547,048	39,555,039	32,977,744	35,581,880	34,084,932	31,855,594	32,206,453	39,201,936	33,382,466	38,243,620	442,522,097	
3	0	7,576,757	10,204,084	7,304,448	13,080,529	6,358,850	6,327,430	6,013,976	5,914,479	6,246,635	6,486,775	6,685,770	7,455,565	89,655,296	
4	0	3,305,854	5,811,241	3,120,325	3,971,663	2,560,746	2,319,858	1,715,393	1,767,012	1,343,588	1,766,264	2,732,061	2,056,527	32,470,532	
6	0	6,304,987	7,346,342	5,137,203	6,696,991	6,236,162	6,385,782	5,658,628	6,500,241	4,490,844	4,790,084	4,185,620	5,937,670	69,670,553	
Large	183,238,118	17,187,598	23,361,667	15,561,976	23,749,183	15,155,758	15,033,070	13,387,998	14,181,732	12,081,067	13,043,124	13,603,450	15,449,761	191,796,382	
Retail	2,644,875,382	241,461,993	313,087,331	203,170,494	238,686,542	194,081,827	197,421,346	206,459,890	186,384,626	182,646,371	204,580,663	199,588,591	232,561,847	2,600,131,521	
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
12	0	38,688,740	47,113,094	17,216,025	10,294,604	3,869,173	4,091,359	1,112,425	5,336,197	2,764,230	4,175,146	9,025,827	17,155,429	160,842,248	
Whse	425,802,062	38,688,740	47,113,094	17,216,025	10,294,604	3,869,173	4,091,359	1,112,425	5,336,197	2,764,230	4,175,146	9,025,827	17,155,429	160,842,248	
Totals	3,070,677,444	280,150,732	360,200,425	220,386,520	248,981,146	197,951,001	201,512,705	207,572,315	191,720,824	185,410,600	208,755,809	208,614,418	249,717,276	2,760,973,769	
		280,150,732	640,351,157	860,737,677	1,109,718,822	1,307,669,823	1,509,182,527	1,716,754,842	1,908,475,666	2,093,886,266	2,302,642,075	2,511,256,493	2,760,973,769		
		10.1%	23.2%	31.2%	40.2%	47.4%	54.7%	62.2%	69.1%	75.8%	83.4%	91.0%	100.0%		

Read Date

Prior Read Date

of Days

MGD

8,412,815

AVE MGD YTD

7,564,312

89.9%

RETAIL

WHOLESALE

Meter Size	Docket 4171	Jul-12	Aug-12	Sep-12	Oct-12	Nov-12	Dec-12	Jan-13	Feb-13	Mar-13	Apr-13	May-13	Jun-13	FY13	% of Docket
Meter Size	Docket 4171	Jul-12	Aug-12	Sep-12	Oct-12	Nov-12	Dec-12	Jan-13	Feb-13	Mar-13	Apr-13	May-13	Jun-13	FY13	% of Docket
5/8	0	156,840,661	183,292,729	192,697,094	135,550,483	142,117,305	143,470,618	132,170,568	133,088,486	122,830,539	136,329,255	134,437,311	170,376,783	1,783,201,832	
3/4	0	3,777,157	4,348,705	4,911,277	3,604,346	3,563,948	3,384,404	3,037,286	3,234,784	2,862,979	3,105,363	3,156,234	3,975,403	42,961,887	
1	0	9,246,516	11,595,550	12,620,447	9,478,427	9,096,896	8,655,517	7,982,227	8,528,340	7,847,569	8,378,720	8,423,606	10,555,691	112,409,506	
Small	1,996,829,268	169,864,334	199,236,984	210,228,818	148,633,256	154,779,150	155,510,539	143,190,081	144,851,611	133,541,087	147,813,339	146,017,150	184,907,877	1,938,573,225	
1 1/2	0	7,166,798	7,840,088	8,767,732	7,497,458	6,516,699	6,456,851	6,523,432	6,343,888	6,059,610	6,500,989	6,456,103	8,124,366	84,254,014	
2	0	28,072,453	34,423,073	41,708,071	29,828,243	31,204,747	31,503,987	27,172,488	29,565,660	26,372,021	29,377,887	28,674,673	34,644,511	372,547,815	
Medium	464,807,996	35,239,251	42,263,161	50,475,803	37,325,701	37,721,446	37,960,838	33,695,920	35,909,548	32,431,631	35,878,876	35,130,776	42,768,877	456,801,830	
3	0	6,403,736	6,133,672	6,598,990	4,690,587	4,674,129	4,092,107	3,673,919	4,035,251	3,299,869	2,623,587	3,918,548	5,262,135	55,406,530	
4	0	2,355,019	4,222,276	4,000,839	1,675,744	1,273,266	2,251,781	1,192,471	1,862,021	1,010,683	1,231,373	1,919,625	2,080,466	25,075,564	
6	0	4,254,445	5,713,988	4,808,787	4,776,619	5,506,016	6,263,093	4,018,793	6,040,159	3,011,851	3,601,353	4,033,007	4,069,664	56,097,775	
Large	183,238,118	13,013,200	16,069,936	15,408,616	11,142,950	11,453,411	12,606,981	8,885,184	11,937,432	7,322,403	7,456,313	9,871,180	11,412,266	136,579,869	
Retail	2,644,875,382	218,116,784	257,570,082	276,113,237	197,101,907	203,953,007	206,078,359	185,771,184	192,698,590	173,295,121	191,148,527	191,019,106	239,089,020	2,531,954,923	
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
12	0	21,842,276	33,004,676	29,041,990	9,085,675	2,901,132	4,113,802	927,644	12,946,619	3,460,711	4,079,389	9,662,460	21,771,206	152,837,578	
Whlse	425,802,062	21,842,276	33,004,676	29,041,990	9,085,675	2,901,132	4,113,802	927,644	12,946,619	3,460,711	4,079,389	9,662,460	21,771,206	152,837,578	
Totals	3,070,677,444	239,959,060	290,574,758	305,155,227	206,187,582	206,854,139	210,192,161	186,698,828	205,645,209	176,755,831	195,227,917	200,681,566	260,860,226	2,684,792,502	

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6/1/2084 7/1/2084 8/1/2084 9/1/2084 10/1/2084 11/1/2084 12/1/2084 1/1/2085 2/1/2085 3/1/2085 4/1/2085 5/1/2085 6/1/2085 7/1/2085 8/1/2085 9/1/2085 10/1/2085 11/1/2085 12/1/2085 1/1/2086 2/1/2086 3/1/2086 4/1/2086 5/1/2086 6/1/2086 7/1/2086 8/1/2086 9/1/2086 10/1/2086 11/1/2086 12/1/2086 1/1/2087 2/1/2087 3/1/2087 4/1/2087 5/1/2087 6/1/2087 7/1/2087 8/1/2087 9/1/2087 10/1/2087 11/1/2087 12/1/2087 1/1/2088 2/1/2088 3/1/2088 4/1/2088 5/1/2088 6/1/2088 7/1/2088 8/1/2088 9/1/2088 10/1/2088 11/1/2088 12/1/2088 1/1/2089 2/1/2089 3/1/2089 4/1/2089 5/1/2089 6/1/2089 7/1/2089 8/1/2089 9/1/

Meter Size	Docket 4171	Jul-13	Aug-13	Sep-13	Oct-13	Nov-13	Dec-13	Jan-14	Feb-14	Mar-14	Apr-14	May-14	Jun-14	FY14	% of Docket
Meter Size	Docket 4171	Jul-13	Aug-13	Sep-13	Oct-13	Nov-13	Dec-13	Jan-14	Feb-14	Mar-14	Apr-14	May-14	Jun-14	FY14	% of Docket
5/8	0	147,162,492	184,185,961	184,695,417	141,663,957	145,250,348	139,949,311	138,958,079	143,341,197	121,876,712	126,660,811	132,287,271	155,216,536	1,761,248,090	
3/4	0	3,433,031	4,181,879	4,562,662	3,530,284	3,836,257	3,421,809	3,251,991	3,608,086	3,044,767	3,217,578	3,232,540	3,775,661	43,096,545	
1	0	9,523,313	11,490,816	12,194,030	9,882,401	9,897,363	8,917,352	8,962,238	9,351,250	7,959,784	8,423,606	8,887,428	10,301,337	115,790,918	
Small	1,996,829,268	160,118,835	199,859,656	201,452,109	155,076,641	159,983,968	152,288,473	151,172,308	153,300,533	132,881,263	138,301,995	144,407,239	169,293,534	1,920,135,552	
1 1/2	0	7,002,216	9,403,617	8,504,401	7,230,387	6,869,054	6,359,598	6,321,445	6,860,077	5,947,395	6,336,407	6,486,027	7,316,418	84,637,042	
2	0	32,385,249	35,295,358	38,736,618	31,539,896	31,607,225	33,028,615	28,981,394	34,420,081	27,208,397	28,046,269	28,517,572	34,150,765	383,917,439	
Medium	464,807,996	39,387,465	44,698,975	47,241,019	38,770,283	38,476,279	39,388,213	35,302,833	41,280,158	33,155,792	34,382,676	35,003,599	41,467,183	468,554,481	
3	0	5,300,289	6,483,035	6,715,694	5,622,720	5,205,280	4,430,996	4,329,255	4,885,841	4,372,645	4,117,542	4,831,978	7,198,218	63,493,491	
4	0	5,396,793	5,116,256	5,257,647	3,583,399	3,522,055	3,001,377	3,040,278	3,101,623	2,642,289	3,014,843	3,423,306	4,303,819	45,403,685	
6	0	1,825,364	3,133,791	2,616,854	3,536,269	4,350,202	3,319,320	3,907,326	3,134,539	3,195,883	2,737,298	3,439,016	5,086,332	40,282,193	
Large	183,238,118	12,522,446	14,733,081	14,590,194	12,742,387	13,077,536	10,751,693	11,276,859	11,122,003	10,210,817	9,869,683	11,694,299	16,588,369	149,179,369	
Retail	2,644,875,382	212,028,746	259,290,712	263,283,322	206,589,311	210,537,783	202,428,379	197,752,006	208,702,694	176,247,871	182,554,354	191,105,137	227,349,086	2,537,869,402	
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
12	0	15,985,401	39,071,767	34,498,632	23,018,289	9,485,160	6,965,559	7,210,936	14,474,239	6,786,763	1,234,365	3,286,403	14,142,831	176,160,344	
Whise	425,802,062	15,985,401	39,071,767	34,498,632	23,018,289	9,485,160	6,965,559	7,210,936	14,474,239	6,786,763	1,234,365	3,286,403	14,142,831	176,160,344	
Totals	3,070,677,444	228,014,147	298,362,479	297,781,953	229,607,600	220,022,943	209,393,938	204,962,942	223,176,933	183,034,635	183,788,719	194,391,541	241,491,917	2,714,029,746	88.39%

Read Date	228,014,147	526,376,626	824,158,579	1,053,766,179	1,273,789,122	1,483,183,060	1,688,146,002	1,911,322,934	2,094,357,569	2,278,146,288	2,472,537,829	2,714,029,746			
Prior Read Date	7/1/2013	8/1/2013	9/3/2013	10/1/2013	11/1/2013	12/2/2013	1/2/2014	2/3/2014	3/3/2014	4/1/2014	5/1/2014	6/2/2014			
# of Days	6/3/2013	7/1/2013	8/1/2013	9/3/2013	10/1/2013	11/1/2013	12/2/2013	1/2/2014	2/3/2014	3/3/2014	4/1/2014	5/1/2014			
AVE MGD YTD	8,412,815	8,143,362	9,624,596	8,200,271	7,097,514	6,754,643	6,611,708	6,974,279	7,801,318	7,671,639	7,543,531	7,447,403			
	8,921,638	8,958,245	8,781,385	8,435,690	8,149,357	7,925,568	7,611,708	7,209,982	6,974,279	6,536,951	6,337,542	6,479,718			

RETAIL	212,028,746	471,319,458	734,602,780	941,192,091	1,151,729,874	1,354,158,253	1,551,910,259	1,760,612,953	1,936,860,824	2,119,415,178	2,310,520,316	2,537,869,402			
	(6,088,038)	(4,367,408)	(17,197,323)	(7,709,919)	(1,125,142)	(4,775,122)	7,205,699	23,209,803	26,162,553	17,568,380	17,654,412	5,914,479			
WHOLESALE	15,985,401	55,057,168	89,555,799	112,574,088	122,059,248	129,024,807	136,235,743	150,709,982	157,496,745	158,731,110	162,017,513	176,160,344			
	(5,856,875)	210,216	5,666,858	19,599,472	26,183,500	29,035,257	35,318,549	36,846,169	40,172,222	37,327,198	30,951,141	23,322,766			

Meter Size	Docket 4171	Jul-14	Aug-14	Sep-14	Oct-14	Nov-14	Dec-14	Jan-15	Feb-15	Mar-15	Apr-15	May-15	Jun-15	FY15	% of Docket
Meter Size	Docket 4171	Jul-14	Aug-14	Sep-14	Oct-14	Nov-14	Dec-14	Jan-15	Feb-15	Mar-15	Apr-15	May-15	Jun-15	FY15	% of Docket
5/8	0	165,844,045	184,449,292	180,625,005	155,580,861	137,295,801	138,458,348	139,202,708	138,049,137	123,643,724	130,712,521	131,579,569	0	1,625,441,008	
3/4	0	3,798,104	4,406,309	4,649,442	3,937,250	3,510,085	3,195,883	3,284,159	3,390,389	2,917,590	3,139,776	3,115,088	0	39,344,075	
1	0	10,443,476	12,253,878	13,331,142	11,161,652	9,852,477	9,104,377	8,939,795	8,999,643	8,333,834	9,014,605	8,805,137	0	110,240,016	
Small	1,996,829,268	180,085,624	201,109,479	198,605,588	170,679,763	150,658,363	150,758,608	151,426,662	150,439,170	134,895,148	142,866,901	143,499,794	0	1,775,025,099	75.89%
1 1/2	0	7,353,823	8,372,735	8,600,158	7,738,346	7,086,003	6,755,343	6,815,191	7,211,684	6,912,444	6,613,204	6,869,054	0	80,327,986	
2	0	32,931,362	38,115,695	38,818,909	36,230,483	33,185,716	30,589,809	30,470,113	31,517,453	29,707,051	31,794,250	29,774,380	0	363,135,221	
Medium	464,807,996	40,285,185	46,488,430	47,419,067	43,968,829	40,271,719	37,345,152	37,285,304	38,729,137	36,619,495	38,407,454	36,643,434	0	443,463,207	18.96%
3	0	5,666,858	7,189,989	6,166,588	6,379,049	5,471,603	4,876,864	4,481,867	4,594,830	3,615,567	3,745,737	3,863,188	0	56,052,141	
4	0	3,839,997	5,550,154	5,878,570	4,142,978	3,548,986	3,385,153	3,311,091	2,555,510	2,851,009	2,603,388	3,210,097	0	40,876,932	
6	0	4,340,476	3,457,718	3,480,161	3,196,631	685,260	5,550,902	2,146,299	22,443	37,405	119,696	471,303	0	23,508,294	
Large	183,238,118	13,847,331	16,197,861	15,525,319	13,718,658	9,705,849	13,812,918	9,939,257	7,172,783	6,503,981	6,468,821	7,544,589	0	120,437,367	5.15%
Retail	2,644,875,382	234,218,140	263,795,770	261,549,974	228,367,250	200,635,931	201,916,679	198,651,222	196,341,089	178,018,624	187,743,176	187,687,817	0	2,338,925,673	100.0%
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
12	0	37,752,118	43,469,099	34,383,424	26,483,488	7,851,310	3,598,361	4,644,953	3,676,912	4,155,696	6,159,855	15,707,856	0	187,883,071	
Whlse	425,802,062	37,752,118	43,469,099	34,383,424	26,483,488	7,851,310	3,598,361	4,644,953	3,676,912	4,155,696	6,159,855	15,707,856	0	187,883,071	
Totals	3,070,677,444	271,970,259	307,264,869	295,933,398	254,850,738	208,487,241	205,515,040	203,296,175	200,018,001	182,174,320	193,903,031	203,395,672	0	2,526,808,744	82.29%
		271,970,259	579,235,128	875,168,526	1,130,019,264	1,338,506,505	1,544,021,544	1,747,317,719	1,947,335,720	2,129,510,040	2,323,413,071	2,526,808,744	2,526,808,744		

Read Date	7/1/2014	8/1/2014	9/2/2014	10/1/2014	11/3/2014	11/3/2014	12/1/2014	1/2/2015	2/2/2015	3/2/2015	4/2/2015	5/1/2015			
Prior Read Date	6/2/2014	7/1/2014	8/1/2014	9/2/2014	10/1/2014	10/1/2014	11/3/2014	12/1/2014	1/2/2015	2/2/2015	3/2/2015	4/2/2015	5/1/2015		
# of Days	29	31	32	29	33	33	28	32	31	28	31	29	333		
MGD	8,412,815	9,378,285	9,247,919	8,787,956	6,317,795	6,317,795	7,339,823	6,363,005	6,452,194	6,506,226	6,254,936	7,013,644	7,588,014	7,588,014	
AVE MGD YTD	9,653,919	9,653,919	9,512,701	9,339,002	8,691,601	8,691,601	8,483,635	8,165,036	7,948,309	7,800,403	7,642,806	7,588,014	7,588,014	90.2%	

RETAIL	234,218,140	498,013,911	759,563,884	987,931,135	1,186,567,066	1,390,483,745	1,589,134,967	1,785,476,056	1,963,494,680	2,151,237,856	2,338,925,673	2,338,925,673			
	22,189,394	26,694,452	24,961,105	46,739,044	36,837,192	36,325,492	37,224,708	24,863,103	26,633,856	31,822,678	28,405,357	(198,943,729)			
	10.47%	5.66%	3.40%	4.97%	3.20%	2.68%	2.40%	1.41%	1.38%	1.50%	1.23%				
WHOLESALE	37,752,118	81,221,217	115,604,641	142,088,129	149,939,439	155,537,800	156,182,753	161,859,664	166,015,360	172,175,215	187,883,071	187,883,071			
	21,766,718	26,164,049	26,048,842	29,514,041	27,880,191	24,512,993	21,947,010	11,149,682	8,518,615	13,444,105	25,865,558	11,722,727			
	136.17%	47.52%	29.09%	26.22%	22.84%	19.00%	16.11%	7.40%	5.41%	8.47%	15.96%				

STATE OF RHODE ISLAND PUBLIC UTILITIES COMMISSION

DOCKET NO. 4550

Response Of The Pawtucket Water Supply Board

To The Town of Cumberland's

Data Requests

Set 3

Cumb. 3-29: [Ref. – PWSB response to Cumb. 1-42] Given the correction on Sch. RB-08 that you agreed with in your response to Cumb. 1-42, would you also agree that instead of showing a decrease in total billed consumption of (-14%) in FY2014, the correct number is an increase in total billed consumption of +1% in FY2014?

Response: Yes I agree, the % decrease for FY2014 should have been an increase and it should be an increase of 0.09%.

Prepared by: R. Benson

STATE OF RHODE ISLAND PUBLIC UTILITIES COMMISSION

DOCKET NO. 4550

Response Of The Pawtucket Water Supply Board

To The Town of Cumberland's

Data Requests

Set 3

CERTIFICATION

I hereby certify that on June 5, 2015, I sent a copy of the within to all parties set forth on the attached Service List by electronic mail and copies to Luly Massaro, Commission Clerk, by electronic mail and regular mail.

Parties/Address	E-mail Distribution	Phone
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STATE OF RHODE ISLAND PUBLIC UTILITIES COMMISSION

DOCKET NO. 4550

Response Of The Pawtucket Water Supply Board

To The Town of Cumberland's

Data Requests

Set 3

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