



SUPPLEMENTAL TESTIMONY

Of

**ROBERT E. BENSON
CHIEF FINANCIAL OFFICER**

Docket No. 4550

May 28, 2015

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

2 A. Robert E. Benson, Chief Financial Officer, Pawtucket Water Supply Board (“PWSB”),
3 85 Branch Street, Pawtucket, RI 02860

4

5 **Q. Are you the same Robert Benson who filed direct testimony in this Docket?**

6 A. Yes

7

8 **Q. What is the purpose of this supplemental testimony?**

9 A. To correct and update portions the PWSB’s original filing and my direct testimony and
10 schedules. In order to allow the Division and the Town of Cumberland to address these
11 corrections and updates in their direct testimony, I am submitting this supplemental
12 testimony now rather than waiting to address these issues in by rebuttal testimony.

13

14 **Q. What issues would you like to address?**

15 A. The original filing and schedules did not include \$179,096 of retiree healthcare costs.
16 In addition, as set forth in my responses to Cumberland Data Requests 1-31(a) and 1-32,
17 the PWSB revised its borrowing plans for main replacement project MR-10 and cleaning
18 and lining project CL-6.

19

20 **Q. Can you please address the retiree costs?**

21 A. Yes. Retirees receive health insurance as an additional post retirement employee
22 benefit. Retiree healthcare costs are maintained on a separate schedule from the salary
23 and fringe benefit schedules for the roster of authorized employee positions. The
24 retiree healthcare costs were inadvertently omitted from the rate year budget for
25 Administration - Employee Pensions & Benefits listed on page 1 of 4 on Woodcock
26 Schedule 1.0. See the attached schedule with a retiree cost of \$179,096 which has been
27 revised to reflect current retirement plans for certain employees.

28

1 **Q. Can you please address the borrowing issue?**

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

11

12 I included the projected debt service schedules prepared by First Southwest Company
13 for the proposed \$10,600,000 borrowing with my direct testimony as Schedule RB-03.
14 Attached to my supplemental testimony is Schedule RB-03 Revised that sets forth the
15 projected debt service schedules prepared by First Southwest Company for the
16 proposed revised borrowings. I am also including a revised Schedule RB-02, which shows
17 the Projected Debt Service Cash Schedule.

18

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

20 A. Yes it does.

Schedule - REB Supplemental # 1

PAWTUCKET WATER SUPPLY BOARD					Today's date			CBA Affiliation	
7/1/2015	6/30/2016	POST EMPLOYMENT BENEFITS			5/22/2015				
7/1/2015	6/30/2016	RATE YEAR BUDGET							
AGE AS OF 7/1/2015	AGE AS OF 6/30/16		HEALTH PLAN	FY15 Actual	FY16 Budget				
>=65	>=65	Retiree	code	MONTHLY	Months	MONTHLY	ANNUAL		
Y	Y	Retiree # 1	PLAN 65	162.15	12	163.60	1,963.20	A	
Y	Y	Retiree # 2	PLAN 65	162.15	12	163.60	1,963.20	A	
Y	Y	Retiree # 3	BC - I	153.00	12	155.30	1,863.60	T	
Y	Y	Retiree # 4	PLAN 65	162.15	12	163.60	1,963.20	A	
Y	Y	Retiree # 5	PLAN 65	162.15	12	163.60	1,963.20	N	
Y	Y	Retiree # 6	PLAN 65	162.15	12	163.60	1,963.20	A	
Y	Y	Retiree # 7	PLAN 65	162.15	12	163.60	1,963.20	A	
Y	Y	Retiree # 8	PLAN 65	162.15	12	163.60	1,963.20	A	
Y	Y	Retiree # 9	PLAN 65	162.15	12	163.60	1,963.20	A	
Y	Y	Retiree # 10	PLAN 65	162.15	12	163.60	1,963.20	A	
Y	Y	Retiree # 11	PLAN 65	162.15	12	163.60	1,963.20	A	
Y	Y	Retiree # 12	PLAN 65	162.15	12	163.60	1,963.20	A	
Y	Y	Retiree # 13	PLAN 65	162.15	12	163.60	1,963.20	A	
Y	Y	Retiree # 14	PLAN 65	162.15	12	163.60	1,963.20	A	
Y	Y	Retiree # 15	PLAN 65	162.15	12	163.60	1,963.20	A	
Y	Y	Retiree # 16	PLAN 65	162.15	12	325.75	3,909.00	A	
N	N	Retiree # 17	HM - F	1,509.44	12	1,478.29	17,739.48	T	
N	N	Retiree # 18	HM - I	608.16	12	596.75	7,161.00	A	
N	N	Retiree # 19	HM - F	1,509.44	12	1,478.29	17,739.48	A	
N	N	Retiree # 20	HM - F	1,509.44	12	1,478.29	17,739.48	A	
N	N	Retiree # 21	HM - F	1,509.44	12	1,478.29	17,739.48	A	
N	N	Retiree # 22	HM - F	1,509.44	12	1,478.29	17,739.48	A	
Y	Y	Retiree # 23	PLAN 65	162.15	12	163.60	1,963.20	A	
Y	Y	Retiree # 24	PLAN 65	162.15	12	163.60	1,963.20	A	
Y	Y	Retiree # 25	PLAN 65	162.15	12	163.60	1,963.20	T	
N	N	Retiree # 26	HM - F	1,509.44	12	1,478.29	17,739.48	A	
N	N	Retiree # 27	HM - F	1,509.44	12	1,478.29	17,739.48	A	
N	N	Retiree # 28	HM - I	608.16	7	596.75	4,177.25	A	
N	N	Retiree # 29	HM - F	1,509.44	3	1,478.29	4,434.87	T	
							TOTAL	179,096.48	
							Monthly	14,924.71	
					LEGEND		CBA Affiliation		
					A	AFSCME Local 1012			
					N	NON-UNION			
					T	Teamster Local 251			
RETIREE	FY14 Budget	FY14 Actual	FY15 Actual	FY16 BUDGET		Rate YR			
COVERAGE	MONTHLY	MONTHLY	MONTHLY	MONTHLY	%	MONTHLY			
CODE	PREMIUM	PREMIUM	PREMIUM	PREMIUM	increase	PREMIUM			
column 1	column 2	column 3	column 4	column 5	column 6	column 7			
BC - I	159.00	153.00	153.00	155.30	1.50%	157.63			
HM - F	1,478.78	1,509.44	1,478.78	1,478.29	-2.06%	1,500.51			
HM - I	574.65	608.16	574.65	596.75	-1.88%	605.72			
PLAN 65	171.88	162.15	162.15	163.60	0.89%	166.06			
DENTAL	96.36	100.21	100.21	83.19	-16.98%	84.44			

PAWTUCKET WATER SUPPLY BOARD
Restricted Debt Service Account Balances
Years ended thru September 30, thru 2018

	12 months <u>10/1/13-9/30/14</u>	Total <u>10/1/14-9/30/15</u>	Total <u>10/1/15-9/30/16</u>	Total <u>10/1/16-9/30/17</u>	Total <u>10/1/17-9/30/18</u>	FUTURE YRS <u>10/1/18-9/30/36</u>
Long Term Debt Service Commitments						
Debt Service Sinking Fund deposits						
RICWFA Series 2003A Principal	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	(15,000.00)
RICWFA Series 2003B Principal	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	(15,000.00)
TOTAL SINKING FUND PAYMENTS RICWFA BONDS	2,000.00	2,000.00	2,000.00	2,000.00	2,000.00	(30,000.00)
Debt Service Principal Payments						
RICWFA Series 2003A Principal						19,340,000.00
RICWFA Series 2003B Principal						7,655,000.00
RICWFA Series 2004A Principal	2,185,000.00	2,248,000.00	2,316,000.00	2,388,000.00	2,463,000.00	16,635,000.00
RICWFA Series 2005A Principal	1,386,000.00	1,430,000.00	1,477,000.00	1,526,000.00	1,578,000.00	16,987,000.00
RICWFA Series 2009A Principal	233,000.00	239,000.00	246,000.00	254,000.00	262,000.00	4,030,000.00
RICWFA 2011 Direct Loan Principal	297,000.00	303,000.00	308,000.00	315,000.00	323,000.00	5,358,000.00
RICWFA Series 2012A Principal	78,000.00	79,000.00	81,000.00	82,000.00	84,000.00	1,473,000.00
RICWFA Series 2013A Principal	1,000.00	349,000.00	352,000.00	357,000.00	362,000.00	7,223,000.00
RICWFA Series 2015A Principal	-	1,000.00	251,000.00	254,000.00	258,000.00	5,143,000.00
RICWFA Series 2016A Principal	-	-	1,000.00	193,000.00	196,000.00	4,328,000.00
TOTAL PRINCIPAL RICWFA BONDS	4,182,000.00	4,651,000.00	5,034,000.00	5,371,000.00	5,528,000.00	88,142,000.00
Debt Service Interest Payments						
RICWFA Series 2003A Interest	967,000.00	967,000.00	967,000.00	967,000.00	967,000.00	12,085,250.00
RICWFA Series 2003B Interest	459,300.00	459,300.00	459,300.00	459,300.00	459,300.00	5,787,600.00
RICWFA Series 2004A Interest	802,949.50	750,728.00	694,303.20	634,087.20	570,088.80	1,840,114.30
RICWFA Series 2005A Interest	747,396.90	709,974.90	670,363.90	628,417.10	584,163.10	2,859,945.33
RICWFA Series 2009A Interest	130,218.70	126,371.18	121,800.46	116,680.22	111,061.82	743,873.30
RICWFA 2011 Direct Loan Interest	203,900.00	200,176.35	196,163.20	190,988.80	184,814.80	1,408,589.30
RICWFA Series 2012A Interest	46,349.50	45,634.64	44,764.28	43,729.72	42,466.54	350,720.44
RICWFA Series 2013A Interest	96,018.29	177,586.52	179,307.28	176,883.46	173,819.08	1,686,449.74
RICWFA Series 2015A Interest	-	7,272.37	101,722.31	129,927.50	127,184.30	1,213,437.50
RICWFA Series 2016A Interest	-	-	17,379.59	109,307.53	119,914.40	1,214,176.80
TOTAL INTEREST RICWFA BONDS	3,453,132.89	3,444,043.96	3,452,104.22	3,456,321.53	3,339,812.84	29,190,156.71
TOTAL PRINCIPAL & INTEREST RICWFA BONDS	7,635,132.89	8,095,043.96	8,486,104.22	8,827,321.53	8,867,812.84	117,332,156.71
Agency Service Fee Payments						
RICWFA Series 2003A Service Fee	12,087.50	12,087.50	12,087.50	12,087.50	12,087.50	151,065.72
RICWFA Series 2003B Service Fee	4,784.38	4,784.38	4,784.38	4,784.38	4,784.38	60,287.62
RICWFA Series 2004A Service Fee	141,175.00	130,250.04	119,010.00	107,430.00	95,490.00	299,405.00
RICWFA Series 2005A Service Fee	121,920.00	114,990.00	107,840.00	100,455.00	92,825.00	444,895.00
RICWFA Series 2009A Service Fee	20,214.94	19,320.16	18,402.36	17,457.66	16,482.24	107,572.34
RICWFA 2011 Direct Loan Service Fee	34,520.00	33,035.04	31,520.00	29,980.00	28,405.00	201,415.00
RICWFA Series 2012A Service Fee	9,150.22	8,769.98	8,384.86	7,989.98	7,590.24	57,582.48
RICWFA Series 2013A Service Fee	21,602.70	39,950.43	39,117.22	37,457.08	35,773.34	310,706.94
RICWFA Series 2015A Agency Fee	-	1,630.58	22,807.69	28,275.00	27,005.00	233,925.00
RICWFA Series 2016A Agency Fee	-	-	3,355.13	21,101.83	22,620.00	210,875.00
TOTAL AGENCY SERVICE FEES RICWFA BONDS	365,454.74	364,818.11	363,954.01	345,916.60	320,442.70	2,077,730.10
Trustee Fee & Other Bond Expense Payments						
2003A&B Trustee Fees paid to Bank of NY	5,250.00	2,750.00	2,750.00	2,750.00	2,750.00	46,750.00
2004A Trustee Fees paid to Bank of NY	2,625.00	2,750.00	1,375.00	1,375.00	1,375.00	23,375.00
2005A Trustee Fees paid to Bank of NY	2,625.00	2,750.00	1,375.00	1,375.00	1,375.00	23,375.00
2009A Trustee Fees paid to Bank of NY	2,500.00	2,750.00	2,750.00	2,750.00	2,750.00	46,750.00
2011 DL Trustee Fees paid to Bank of NY	2,500.00	2,750.00	2,750.00	2,750.00	2,750.00	46,750.00
2012A Trustee Fees paid to Bank of NY	1,500.00	2,750.00	2,750.00	2,750.00	2,750.00	46,750.00
2013A Trustee Fees paid to Bank of NY	1,500.00	2,750.00	2,750.00	2,750.00	2,750.00	46,750.00
2015A Trustee Fees paid to Bank of NY	-	2,750.00	2,750.00	2,750.00	2,750.00	46,750.00
2016A Trustee Fees paid to Bank of NY	-	-	2,750.00	2,750.00	2,750.00	46,750.00
Payments to US Bank - Admin Fees	3,250.00	3,250.00	3,250.00	3,250.00	3,250.00	55,250.00
Payments to AMTEC - Arbitrage Services	-	2,400.00	2,400.00	2,400.00	2,400.00	40,800.00
Legal Fees - Annual Continuing Disclosure	-	1,404.00	3,000.00	3,000.00	3,000.00	51,000.00
	21,750.00	29,054.00	30,650.00	30,650.00	30,650.00	521,050.00
City GO Bonds						
GO Bonds Principal	86,185.55	58,266.27	59,562.34	60,374.43	61,086.52	100,200.00
GO Bonds Interest	21,035.85	11,817.90	9,597.50	7,313.98	5,013.22	5,382.00
TOTAL PRINCIPAL & INTEREST CITY G/O BONDS	107,221.40	70,084.17	69,159.84	67,688.41	66,099.74	105,582.00
TOTAL DEBT SERVICE PAYMENTS	8,129,559.03	8,559,000.24	8,949,868.07	9,271,576.54	9,285,005.28	120,036,518.81

Preliminary Subject to Change

Rhode Island Clean Water Finance Agency
2015 Drinking Water SRF Loan
Rates as of 4/1/2015 Plus 50 BP

Calculation of Borrower Rate
Pawtucket WSB- \$5.907M Admin Funds

Borrower:	Pawtucket WSB	Highest Rating:	A
Rate Lock Date:	04/01/15	MMD Scale:	Revenue-A
Closing Date:	06/17/15	Zero% Subsidy:	-
Pledge:	Revenue	DSR Required:	Yes

Maturity	Market Rate	Less 33% Subsidy	Subsidized Rate	Loan Rate	Plus Admin. Fee	Total Borrower Billing Rate
2015	1.240%	-0.410%	0.830%	0.830%	0.500%	1.330%
2016	1.100%	-0.370%	0.730%	0.730%	0.500%	1.230%
2017	1.620%	-0.540%	1.080%	1.080%	0.500%	1.580%
2018	2.150%	-0.720%	1.430%	1.430%	0.500%	1.930%
2019	2.480%	-0.830%	1.650%	1.650%	0.500%	2.150%
2020	2.570%	-0.860%	1.710%	1.710%	0.500%	2.210%
2021	2.710%	-0.900%	1.810%	1.810%	0.500%	2.310%
2022	2.960%	-0.990%	1.970%	1.970%	0.500%	2.470%
2023	3.140%	-1.050%	2.090%	2.090%	0.500%	2.590%
2024	3.250%	-1.080%	2.170%	2.170%	0.500%	2.670%
2025	3.230%	-1.080%	2.150%	2.150%	0.500%	2.650%
2026	3.530%	-1.180%	2.350%	2.350%	0.500%	2.850%
2027	3.750%	-1.250%	2.500%	2.500%	0.500%	3.000%
2028	3.920%	-1.310%	2.610%	2.610%	0.500%	3.110%
2029	4.050%	-1.350%	2.700%	2.700%	0.500%	3.200%
2030	4.150%	-1.380%	2.770%	2.770%	0.500%	3.270%
2031	4.240%	-1.410%	2.830%	2.830%	0.500%	3.330%
2032	4.290%	-1.430%	2.860%	2.860%	0.500%	3.360%
2033	4.090%	-1.360%	2.730%	2.730%	0.500%	3.230%
2034	4.100%	-1.370%	2.730%	2.730%	0.500%	3.230%

Rhode Island Clean Water Finance Agency
2015 Drinking Water SRF Loan
Rates as of 4/1/2015 Plus 50 BP

Sources & Uses**Pawtucket WSB- \$5.907M Admin Funds****Sources:**

Admin Funds	5,907,000.00
Fed Direct - Prin Forgiveness Funds	-
Total Sources	<u>5,907,000.00</u>

Uses:

Admin Loan - Deposit to Construction Fund	5,389,413.20
Principal Forgiveness Funds	-
Deposit to DSRF	408,403.20
Capitalized Interest	-
Loan Origination Fee (1.0%)	59,070.00
Costs of Issuance - Local Level	50,113.60
Total Uses	<u>5,907,000.00</u>

Pawtucket WSB - Admin Loan Statistics (Exclusive of Fees):	
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Weighted Average Maturity (Years)	10.9973
Market Yield on the Loan:	3.887%
Effective Yield* on Total Admin Loan	2.499%
Net Effective Subsidy:	35.697%

***Effective Yield Incorporates:**

* 33% R&B Fund Interest Rate Subsidy

Preliminary Subject to Change

Rhode Island Clean Water Finance Agency
 2015 Drinking Water SRF Loan
 Rates as of 4/1/2015 Plus 50 BP

Construction Fund Cash Flow
 Pawtucket WSB- \$5.907M Admin Funds

Date	Beginning Balance	Loan Proceeds Deposit	Cost of Issuance	Admin Loan Draws	DSRF & Cap-I	Total Draws	Ending Fund Balance	6-Month Const. Draws	% Spent
06/17/15	-	5,907,000.00	109,183.60	400,000.00	408,403.20	917,586.80	4,989,413.20		
07/01/15	4,989,413.20	-	-	550,000.00	-	550,000.00	4,439,413.20		
08/01/15	4,439,413.20	-	-	550,000.00	-	550,000.00	3,889,413.20		
09/01/15	3,889,413.20	-	-	550,000.00	-	550,000.00	3,339,413.20		
10/01/15	3,339,413.20	-	-	550,000.00	-	550,000.00	2,789,413.20		
11/01/15	2,789,413.20	-	-	550,000.00	-	550,000.00	2,239,413.20		
12/01/15	2,239,413.20	-	-	500,000.00	-	500,000.00	1,739,413.20	3,650,000.00	68%
01/01/16	1,739,413.20	-	-	450,000.00	-	450,000.00	1,289,413.20		
02/01/16	1,289,413.20	-	-	-	-	-	1,289,413.20		
03/01/16	1,289,413.20	-	-	-	-	-	1,289,413.20		
04/01/16	1,289,413.20	-	-	450,000.00	-	450,000.00	839,413.20		
05/01/16	839,413.20	-	-	200,000.00	-	200,000.00	639,413.20		
06/01/16	639,413.20	-	-	200,000.00	-	200,000.00	439,413.20	1,300,000.00	92%
07/01/16	439,413.20	-	-	200,000.00	-	200,000.00	239,413.20		
08/01/16	239,413.20	-	-	239,413.20	-	239,413.20	-		
09/01/16	-	-	-	-	-	-	-		
10/01/16	-	-	-	-	-	-	-		
11/01/16	-	-	-	-	-	-	-		
12/01/16	-	-	-	-	-	-	-	439,413.20	100%
01/01/17	-	-	-	-	-	-	-		
02/01/17	-	-	-	-	-	-	-		
03/01/17	-	-	-	-	-	-	-		
04/01/17	-	-	-	-	-	-	-		
05/01/17	-	-	-	-	-	-	-		
06/01/17	-	-	-	-	-	-	-	-	100%
07/01/17	-	-	-	-	-	-	-		
08/01/17	-	-	-	-	-	-	-		
09/01/17	-	-	-	-	-	-	-		
10/01/17	-	-	-	-	-	-	-		
11/01/17	-	-	-	-	-	-	-		
12/01/17	-	-	-	-	-	-	-	-	100%
01/01/18	-	-	-	-	-	-	-		
02/01/18	-	-	-	-	-	-	-		
03/01/18	-	-	-	-	-	-	-		
04/01/18	-	-	-	-	-	-	-		
05/01/18	-	-	-	-	-	-	-		
06/01/18	-	-	-	-	-	-	-	-	100%
07/01/18	-	-	-	-	-	-	-		
08/01/18	-	-	-	-	-	-	-		
09/01/18	-	-	-	-	-	-	-		
		<u>5,907,000.00</u>	<u>109,183.60</u>	<u>5,389,413.20</u>	<u>408,403.20</u>	<u>5,907,000.00</u>		<u>5,389,413.20</u>	

Preliminary Subject to Change

Rhode Island Clean Water Finance Agency
2015 Drinking Water SRF Loan
Rates as of 4/1/2015 Plus 50 BP

Loan Balance

Pawtucket WSB- \$5.907M Admin Funds

Date	Admin Loan Draws	Admin Loan Principal Paid	Admin Loan Balance	Interest (1) Accrued @ 2.230%	Semiannual Interest Requirements	Loan Fees @ 0.500%	Semiannual Loan Fees Payable
06/17/15	917,586.80	-	917,586.80	-	-	-	-
07/01/15	550,000.00	-	1,467,586.80	795.75	-	178.42	-
08/01/15	550,000.00	-	2,017,586.80	2,727.27	-	611.49	-
09/01/15	550,000.00	(1,000.00)	2,566,586.80	3,749.35	7,272.37	840.66	1,630.58
10/01/15	550,000.00	-	3,116,586.80	4,769.57	-	1,069.41	-
11/01/15	550,000.00	-	3,666,586.80	5,791.66	-	1,298.58	-
12/01/15	500,000.00	-	4,166,586.80	6,813.74	-	1,527.74	-
01/01/16	450,000.00	-	4,616,586.80	7,742.91	-	1,736.08	-
02/01/16	-	-	4,616,586.80	8,579.16	-	1,923.58	-
03/01/16	-	-	4,616,586.80	8,579.16	42,276.20	1,923.58	9,478.97
04/01/16	450,000.00	-	5,066,586.80	8,579.16	-	1,923.58	-
05/01/16	200,000.00	-	5,266,586.80	9,415.41	-	2,111.08	-
06/01/16	200,000.00	-	5,466,586.80	9,787.07	-	2,194.41	-
07/01/16	200,000.00	-	5,666,586.80	10,158.74	-	2,277.74	-
08/01/16	239,413.20	-	5,906,000.00	10,530.41	-	2,361.08	-
09/01/16	-	(251,000.00)	5,655,000.00	10,975.32	59,446.11	2,460.83	13,328.72
10/01/16	-	-	-	-	-	-	-
11/01/16	-	-	-	-	-	-	-
12/01/16	-	-	-	-	-	-	-
01/01/17	-	-	-	-	-	-	-
02/01/17	-	-	-	-	-	-	-
03/01/17	-	-	-	-	-	-	-
04/01/17	-	-	-	-	-	-	-
05/01/17	-	-	-	-	-	-	-
06/01/17	-	-	-	-	-	-	-
07/01/17	-	-	-	-	-	-	-
08/01/17	-	-	-	-	-	-	-
09/01/17	-	-	-	-	-	-	-
10/01/17	-	-	-	-	-	-	-
11/01/17	-	-	-	-	-	-	-
12/01/17	-	-	-	-	-	-	-
01/01/18	-	-	-	-	-	-	-
02/01/18	-	-	-	-	-	-	-
03/01/18	-	-	-	-	-	-	-
04/01/18	-	-	-	-	-	-	-
05/01/18	-	-	-	-	-	-	-
06/01/18	-	-	-	-	-	-	-
07/01/18	-	-	-	-	-	-	-
08/01/18	-	-	-	-	-	-	-
09/01/18	-	-	-	-	-	-	-
	<u>5,907,000.00</u>	<u>(252,000.00)</u>		<u>108,994.68</u>	<u>108,994.68</u>	<u>24,438.26</u>	<u>24,438.26</u>

(1) Interest rate represents the weighted average loan rate for the entire loan amortization.

Preliminary Subject to Change

Rhode Island Clean Water Finance Agency
2015 Drinking Water SRF Loan
Rates as of 4/1/2015 Plus 50 BP

Loan Debt Service

Pawtucket WSB- \$5.907M Admin Funds

Date	Principal	Loan Rate	(1) Interest	Net Fees @ 0.500%	Total Fees & Interest	Total Net Debt Service	Annual Net Debt Service & Fees
06/17/15							-
09/01/15	1,000.00	0.830%	(1) 7,272.37	1,630.58	8,902.95	9,902.95	9,902.95
03/01/16	-	-	42,276.20	9,478.97	51,755.17	51,755.17	-
09/01/16	251,000.00	0.730%	59,446.11	13,328.72	72,774.83	323,774.83	375,530.00
03/01/17	-	-	64,963.75	14,137.50	79,101.25	79,101.25	-
09/01/17	254,000.00	1.080%	64,963.75	14,137.50	79,101.25	333,101.25	412,202.50
03/01/18	-	-	63,592.15	13,502.50	77,094.65	77,094.65	-
09/01/18	258,000.00	1.430%	63,592.15	13,502.50	77,094.65	335,094.65	412,189.30
03/01/19	-	-	61,747.45	12,857.50	74,604.95	74,604.95	-
09/01/19	263,000.00	1.650%	61,747.45	12,857.50	74,604.95	337,604.95	412,209.90
03/01/20	-	-	59,577.70	12,200.00	71,777.70	71,777.70	-
09/01/20	268,000.00	1.710%	59,577.70	12,200.00	71,777.70	339,777.70	411,555.40
03/01/21	-	-	57,286.30	11,530.00	68,816.30	68,816.30	-
09/01/21	274,000.00	1.810%	57,286.30	11,530.00	68,816.30	342,816.30	411,632.60
03/01/22	-	-	54,806.60	10,845.00	65,651.60	65,651.60	-
09/01/22	281,000.00	1.970%	54,806.60	10,845.00	65,651.60	346,651.60	412,303.20
03/01/23	-	-	52,038.75	10,142.50	62,181.25	62,181.25	-
09/01/23	288,000.00	2.090%	52,038.75	10,142.50	62,181.25	350,181.25	412,362.50
03/01/24	-	-	49,029.15	9,422.50	58,451.65	58,451.65	-
09/01/24	295,000.00	2.170%	49,029.15	9,422.50	58,451.65	353,451.65	411,903.30
03/01/25	-	-	45,828.40	8,685.00	54,513.40	54,513.40	-
09/01/25	303,000.00	2.150%	45,828.40	8,685.00	54,513.40	357,513.40	412,026.80
03/01/26	-	-	42,571.15	7,927.50	50,498.65	50,498.65	-
09/01/26	311,000.00	2.350%	42,571.15	7,927.50	50,498.65	361,498.65	411,997.30
03/01/27	-	-	38,916.90	7,150.00	46,066.90	46,066.90	-
09/01/27	320,000.00	2.500%	38,916.90	7,150.00	46,066.90	366,066.90	412,133.80
03/01/28	-	-	34,916.90	6,350.00	41,266.90	41,266.90	-
09/01/28	329,000.00	2.610%	34,916.90	6,350.00	41,266.90	370,266.90	411,533.80
03/01/29	-	-	30,623.45	5,527.50	36,150.95	36,150.95	-
09/01/29	340,000.00	2.700%	30,623.45	5,527.50	36,150.95	376,150.95	412,301.90
03/01/30	-	-	26,033.45	4,677.50	30,710.95	30,710.95	-
09/01/30	351,000.00	2.770%	26,033.45	4,677.50	30,710.95	381,710.95	412,421.90
03/01/31	-	-	21,172.10	3,800.00	24,972.10	24,972.10	-
09/01/31	362,000.00	2.830%	21,172.10	3,800.00	24,972.10	386,972.10	411,944.20
03/01/32	-	-	16,049.80	2,895.00	18,944.80	18,944.80	-
09/01/32	374,000.00	2.860%	16,049.80	2,895.00	18,944.80	392,944.80	411,889.60
03/01/33	-	-	10,701.60	1,960.00	12,661.60	12,661.60	-
09/01/33	387,000.00	2.730%	10,701.60	1,960.00	12,661.60	399,661.60	412,323.20
03/01/34	-	-	5,419.05	992.50	6,411.55	6,411.55	-
09/01/34	397,000.00	2.730%	5,419.05	992.50	6,411.55	403,411.55	409,823.10
	<u>5,907,000.00</u>		<u>1,579,543.98</u>	<u>313,643.26</u>	<u>1,893,187.24</u>	<u>7,800,187.24</u>	<u>7,800,187.24</u>

(1) Interest during construction is calculated based on the timing of expected draws and the overall weighted average loan rate of 2.230%.

Preliminary Subject to Change

**Rhode Island Clean Water Finance Agency
2016 Drinking Water SRF Loan
Rates as of 4/1/2015 Plus 100 BP**

**Calculation of Borrower Rate
Pawtucket WSB- \$4.718M Admin Funds**

Borrower:	Pawtucket WSB	Highest Rating:	A
Rate Lock Date:	04/01/15	MMD Scale:	Revenue-A
Closing Date:	04/15/16	Zero% Subsidy:	-
Pledge:	Revenue	DSR Required:	Yes

Maturity	Market Rate	Less 33% Subsidy	Subsidized Rate	Loan Rate	Plus Admin. Fee	Total Borrower Billing Rate
2016	1.970%	-0.660%	1.310%	1.310%	0.500%	1.810%
2017	1.740%	-0.580%	1.160%	1.160%	0.500%	1.660%
2018	2.290%	-0.760%	1.530%	1.530%	0.500%	2.030%
2019	2.830%	-0.940%	1.890%	1.890%	0.500%	2.390%
2020	3.130%	-1.040%	2.090%	2.090%	0.500%	2.590%
2021	3.170%	-1.060%	2.110%	2.110%	0.500%	2.610%
2022	3.280%	-1.090%	2.190%	2.190%	0.500%	2.690%
2023	3.520%	-1.170%	2.350%	2.350%	0.500%	2.850%
2024	3.700%	-1.230%	2.470%	2.470%	0.500%	2.970%
2025	3.800%	-1.270%	2.530%	2.530%	0.500%	3.030%
2026	3.880%	-1.290%	2.590%	2.590%	0.500%	3.090%
2027	4.120%	-1.370%	2.750%	2.750%	0.500%	3.250%
2028	4.300%	-1.430%	2.870%	2.870%	0.500%	3.370%
2029	4.420%	-1.470%	2.950%	2.950%	0.500%	3.450%
2030	4.520%	-1.510%	3.010%	3.010%	0.500%	3.510%
2031	4.590%	-1.530%	3.060%	3.060%	0.500%	3.560%
2032	4.650%	-1.550%	3.100%	3.100%	0.500%	3.600%
2033	4.680%	-1.560%	3.120%	3.120%	0.500%	3.620%
2034	4.440%	-1.480%	2.960%	2.960%	0.500%	3.460%
2035	4.440%	-1.480%	2.960%	2.960%	0.500%	3.460%

**Rhode Island Clean Water Finance Agency
2016 Drinking Water SRF Loan
Rates as of 4/1/2015 Plus 100 BP**

**Sources & Uses
Pawtucket WSB- \$4.718M Admin Funds**

Sources:

Admin Funds	4,718,000.00
Fed Direct - Prin Forgiveness Funds	-
Total Sources	4,718,000.00

Uses:

Admin Loan - Deposit to Construction Fund	4,284,400.00
Principal Forgiveness Funds	-
Deposit to DSRF	335,649.60
Capitalized Interest	-
Loan Origination Fee (1.0%)	47,180.00
Costs of Issuance - Local Level	50,770.40
Total Uses	4,718,000.00

Pawtucket WSB - Admin Loan Statistics (Exclusive of Fees):	
Weighted Average Maturity (Years)	11.2756
Market Yield on the Loan:	4.365%
Effective Yield* on Total Admin Loan	2.814%
 Net Effective Subsidy:	 35.540%

*Effective Yield Incorporates:
 * 33% R&B Fund Interest Rate Subsidy

Preliminary Subject to Change

Rhode Island Clean Water Finance Agency
2016 Drinking Water SRF Loan
Rates as of 4/1/2015 Plus 100 BP

Construction Fund Cash Flow
Pawtucket WSB- \$4.718M Admin Funds

Date	Beginning Balance	Loan Proceeds Deposit	Cost of Issuance	Admin Loan Draws	DSRF & Cap-I	Total Draws	Ending Fund Balance	6-Month Const. Draws	% Spent
04/15/16	-	4,718,000.00	97,950.40	350,000.00	335,649.60	783,600.00	3,934,400.00		
05/01/16	3,934,400.00	-	-	450,000.00	-	450,000.00	3,484,400.00		
06/01/16	3,484,400.00	-	-	450,000.00	-	450,000.00	3,034,400.00		
07/01/16	3,034,400.00	-	-	450,000.00	-	450,000.00	2,584,400.00		
08/01/16	2,584,400.00	-	-	450,000.00	-	450,000.00	2,134,400.00		
09/01/16	2,134,400.00	-	-	450,000.00	-	450,000.00	1,684,400.00		
10/01/16	1,684,400.00	-	-	400,000.00	-	400,000.00	1,284,400.00	3,000,000.00	71%
11/01/16	1,284,400.00	-	-	400,000.00	-	400,000.00	884,400.00		
12/01/16	884,400.00	-	-	250,000.00	-	250,000.00	634,400.00		
01/01/17	634,400.00	-	-	250,000.00	-	250,000.00	384,400.00		
02/01/17	384,400.00	-	-	-	-	-	384,400.00		
03/01/17	384,400.00	-	-	-	-	-	384,400.00		
04/01/17	384,400.00	-	-	150,000.00	-	150,000.00	234,400.00	1,050,000.00	95%
05/01/17	234,400.00	-	-	150,000.00	-	150,000.00	84,400.00		
06/01/17	84,400.00	-	-	84,400.00	-	84,400.00	-		
07/01/17	-	-	-	-	-	-	-		
08/01/17	-	-	-	-	-	-	-		
09/01/17	-	-	-	-	-	-	-		
10/01/17	-	-	-	-	-	-	-	234,400.00	100%
11/01/17	-	-	-	-	-	-	-		
12/01/17	-	-	-	-	-	-	-		
01/01/18	-	-	-	-	-	-	-		
02/01/18	-	-	-	-	-	-	-		
03/01/18	-	-	-	-	-	-	-		
04/01/18	-	-	-	-	-	-	-	-	100%
05/01/18	-	-	-	-	-	-	-		
06/01/18	-	-	-	-	-	-	-		
07/01/18	-	-	-	-	-	-	-		
08/01/18	-	-	-	-	-	-	-		
09/01/18	-	-	-	-	-	-	-		
10/01/18	-	-	-	-	-	-	-	-	100%
11/01/18	-	-	-	-	-	-	-		
12/01/18	-	-	-	-	-	-	-		
01/01/19	-	-	-	-	-	-	-		
02/01/19	-	-	-	-	-	-	-		
03/01/19	-	-	-	-	-	-	-		
04/01/19	-	-	-	-	-	-	-	-	100%
05/01/19	-	-	-	-	-	-	-		
06/01/19	-	-	-	-	-	-	-		
07/01/19	-	-	-	-	-	-	-		
		<u>4,718,000.00</u>	<u>97,950.40</u>	<u>4,284,400.00</u>	<u>335,649.60</u>	<u>4,718,000.00</u>		<u>4,284,400.00</u>	

Preliminary Subject to Change

Rhode Island Clean Water Finance Agency
2016 Drinking Water SRF Loan
Rates as of 4/1/2015 Plus 100 BP

Loan Balance

Pawtucket WSB- \$4.718M Admin Funds

Date	Admin Loan Draws	Admin Loan Principal Paid	Admin Loan Balance	Interest (1) Accrued @ 2.590%	Semiannual Interest Requirements	Loan Fees @ 0.500%	Semiannual Loan Fees Payable
04/15/16	783,600.00	-	783,600.00	-	-	-	-
05/01/16	450,000.00	-	1,233,600.00	902.01	-	174.13	-
06/01/16	450,000.00	-	1,683,600.00	2,662.52	-	514.00	-
07/01/16	450,000.00	-	2,133,600.00	3,633.77	-	701.50	-
08/01/16	450,000.00	-	2,583,600.00	4,605.02	-	889.00	-
09/01/16	450,000.00	(1,000.00)	3,032,600.00	5,576.27	17,379.59	1,076.50	3,355.13
10/01/16	400,000.00	-	3,432,600.00	6,545.36	-	1,263.58	-
11/01/16	400,000.00	-	3,832,600.00	7,408.70	-	1,430.25	-
12/01/16	250,000.00	-	4,082,600.00	8,272.03	-	1,596.92	-
01/01/17	250,000.00	-	4,332,600.00	8,811.61	-	1,701.08	-
02/01/17	-	-	4,332,600.00	9,351.20	-	1,805.25	-
03/01/17	-	-	4,332,600.00	9,351.20	49,740.10	1,805.25	9,602.33
04/01/17	150,000.00	-	4,482,600.00	9,351.20	-	1,805.25	-
05/01/17	150,000.00	-	4,632,600.00	9,674.95	-	1,867.75	-
06/01/17	84,400.00	-	4,717,000.00	9,998.70	-	1,930.25	-
07/01/17	-	-	4,717,000.00	10,180.86	-	1,965.42	-
08/01/17	-	-	4,717,000.00	10,180.86	-	1,965.42	-
09/01/17	-	(193,000.00)	4,524,000.00	10,180.86	59,567.43	1,965.42	11,499.50
10/01/17	-	-	-	-	-	-	-
11/01/17	-	-	-	-	-	-	-
12/01/17	-	-	-	-	-	-	-
01/01/18	-	-	-	-	-	-	-
02/01/18	-	-	-	-	-	-	-
03/01/18	-	-	-	-	-	-	-
04/01/18	-	-	-	-	-	-	-
05/01/18	-	-	-	-	-	-	-
06/01/18	-	-	-	-	-	-	-
07/01/18	-	-	-	-	-	-	-
08/01/18	-	-	-	-	-	-	-
09/01/18	-	-	-	-	-	-	-
10/01/18	-	-	-	-	-	-	-
11/01/18	-	-	-	-	-	-	-
12/01/18	-	-	-	-	-	-	-
01/01/19	-	-	-	-	-	-	-
02/01/19	-	-	-	-	-	-	-
03/01/19	-	-	-	-	-	-	-
04/01/19	-	-	-	-	-	-	-
05/01/19	-	-	-	-	-	-	-
06/01/19	-	-	-	-	-	-	-
07/01/19	-	-	-	-	-	-	-
	<u>4,718,000.00</u>	<u>(194,000.00)</u>		<u>126,687.12</u>	<u>126,687.12</u>	<u>24,456.97</u>	<u>24,456.97</u>

(1) Interest rate represents the weighted average loan rate for the entire loan amortization.

Rhode Island Clean Water Finance Agency
2016 Drinking Water SRF Loan
Rates as of 4/1/2015 Plus 100 BP

Loan Debt Service

Pawtucket WSB- \$4.718M Admin Funds

Date	Principal	Loan Rate	(1) Interest	Net Fees @ 0.500%	Total Fees & Interest	Total Net Debt Service	Annual Net Debt Service & Fees
04/15/16							-
09/01/16	1,000.00	1.310%	(1) 17,379.59	3,355.13	20,734.72	21,734.72	21,734.72
03/01/17	-	-	49,740.10	9,602.33	59,342.43	59,342.43	-
09/01/17	193,000.00	1.160%	59,567.43	11,499.50	71,066.93	264,066.93	323,409.36
03/01/18	-	-	59,957.20	11,310.00	71,267.20	71,267.20	-
09/01/18	196,000.00	1.530%	59,957.20	11,310.00	71,267.20	267,267.20	338,534.40
03/01/19	-	-	58,457.80	10,820.00	69,277.80	69,277.80	-
09/01/19	200,000.00	1.890%	58,457.80	10,820.00	69,277.80	269,277.80	338,555.60
03/01/20	-	-	56,567.80	10,320.00	66,887.80	66,887.80	-
09/01/20	205,000.00	2.090%	56,567.80	10,320.00	66,887.80	271,887.80	338,775.60
03/01/21	-	-	54,425.55	9,807.50	64,233.05	64,233.05	-
09/01/21	210,000.00	2.110%	54,425.55	9,807.50	64,233.05	274,233.05	338,466.10
03/01/22	-	-	52,210.05	9,282.50	61,492.55	61,492.55	-
09/01/22	216,000.00	2.190%	52,210.05	9,282.50	61,492.55	277,492.55	338,985.10
03/01/23	-	-	49,844.85	8,742.50	58,587.35	58,587.35	-
09/01/23	221,000.00	2.350%	49,844.85	8,742.50	58,587.35	279,587.35	338,174.70
03/01/24	-	-	47,248.10	8,190.00	55,438.10	55,438.10	-
09/01/24	228,000.00	2.470%	47,248.10	8,190.00	55,438.10	283,438.10	338,876.20
03/01/25	-	-	44,432.30	7,620.00	52,052.30	52,052.30	-
09/01/25	234,000.00	2.530%	44,432.30	7,620.00	52,052.30	286,052.30	338,104.60
03/01/26	-	-	41,472.20	7,035.00	48,507.20	48,507.20	-
09/01/26	241,000.00	2.590%	41,472.20	7,035.00	48,507.20	289,507.20	338,014.40
03/01/27	-	-	38,351.25	6,432.50	44,783.75	44,783.75	-
09/01/27	249,000.00	2.750%	38,351.25	6,432.50	44,783.75	293,783.75	338,567.50
03/01/28	-	-	34,927.50	5,810.00	40,737.50	40,737.50	-
09/01/28	257,000.00	2.870%	34,927.50	5,810.00	40,737.50	297,737.50	338,475.00
03/01/29	-	-	31,239.55	5,167.50	36,407.05	36,407.05	-
09/01/29	266,000.00	2.950%	31,239.55	5,167.50	36,407.05	302,407.05	338,814.10
03/01/30	-	-	27,316.05	4,502.50	31,818.55	31,818.55	-
09/01/30	275,000.00	3.010%	27,316.05	4,502.50	31,818.55	306,818.55	338,637.10
03/01/31	-	-	23,177.30	3,815.00	26,992.30	26,992.30	-
09/01/31	284,000.00	3.060%	23,177.30	3,815.00	26,992.30	310,992.30	337,984.60
03/01/32	-	-	18,832.10	3,105.00	21,937.10	21,937.10	-
09/01/32	295,000.00	3.100%	18,832.10	3,105.00	21,937.10	316,937.10	338,874.20
03/01/33	-	-	14,259.60	2,367.50	16,627.10	16,627.10	-
09/01/33	305,000.00	3.120%	14,259.60	2,367.50	16,627.10	321,627.10	338,254.20
03/01/34	-	-	9,501.60	1,605.00	11,106.60	11,106.60	-
09/01/34	316,000.00	2.960%	9,501.60	1,605.00	11,106.60	327,106.60	338,213.20
03/01/35	-	-	4,824.80	815.00	5,639.80	5,639.80	-
09/01/35	326,000.00	2.960%	4,824.80	815.00	5,639.80	331,639.80	337,279.60
	<u>4,718,000.00</u>		<u>1,460,778.32</u>	<u>257,951.97</u>	<u>1,718,730.29</u>	<u>6,436,730.29</u>	<u>6,436,730.29</u>

(1) Interest during construction is calculated based on the timing of expected draws and the overall weighted average loan rate of 2.590%.

CERTIFICATION

I hereby certify that on May 28, 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.

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