

Schacht & McElroy

Robert M. Schacht
Michael R. McElroy

Attorneys at Law

21 Dryden Lane

Members of Rhode Island
and Massachusetts Bars
Post Office Box 6721
Providence, Rhode Island 02940-6721

(401) 351-4100
fax (401) 421-5696

email: RMSchacht@aol.com
McElroyMik@aol.com

October 29, 2009

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

Re: Water Utilities Consumption/Revenues - Rate Structure Review - Generic
Docket No. 4113

Dear Luly:

At a meeting convened by Legal Counsel Cindy Wilson-Frias with all of the regulated Rhode Island water utilities, as well as the Narragansett Bay Commission, Cindy asked the participants to submit certain information. Enclosed with this letter are Providence Water's responses to the five requests. The responses were all prepared by Jeanne Bondarevskis, Finance Director.

1-1 Please provide monthly consumption figures for each year commencing with FY 2006 to the most recent month available. Utilities are welcome to file additional information for periods prior to 2006, but it is not required.

1. Cindy requested that Providence Water provide consumption by month from at least 2006 to the present. However, Providence Water has consumption (plant effluent) available by month going back to 1995. Therefore, enclosed is a two-page schedule entitled "Providence Water Plant Effluent Monthly and Cumulative (Million Gallons) Actual as of September 2009 balance estimated at 16.8% reduced effluent."

Also enclosed in response to this request is a graph entitled "Providence Water Plant Effluent" graphically illustrating annual plant effluent from fiscal year 1996 through fiscal year 2010. Please note that the first three months of fiscal year 2010 are based on actual figures from July, August, and September 2009, and the remaining 9 months have been projected based on the assumption that Providence Water will be 16.8% below

average for the remaining 9 months. This 16.8% figure is the actual July through September 2009 average reduction.

- 1-2 **(a) Please provide a spreadsheet setting forth the following expenses: debt service; IFR (amounts allowed in most recent rate case); payroll, property taxes, all other operating expenses. (b) Please indicate what you believe is the current ratio of fixed to variable costs.**
- 1-3 **Please provide the companies revenue stream expressed as percentages broken down into two categories, fixed and variable.**
- 2 & 3 Cindy asked Providence Water to itemize its fixed versus variable costs, as well as its fixed versus variable revenues, to illustrate that Providence Water has a very high percentage of fixed costs and a very low percentage of variable costs, yet it has a very low percentage of fixed revenues and a very high percentage of variable revenues. Enclosed are schedules which break out the fixed and variable costs and revenues by category, including IFR.
- 1-4 **Please provide the difference between the revenues allowed in the utility's most recent rate case and the amount billed during the first quarter of FY 2010. Please be sure to provide the approved revenue requirement as part of the answer.**
4. Cindy asked Providence Water to identify for fiscal year 2010 to date (i.e. July, August, and September 2009) how much money Providence Water has lost as compared to what Providence Water should be billing in accordance with PUC approved rates and consumption. Enclosed in accordance with this request are the following:
 - A. A schedule entitled "Providence Water Plant Effluent Monthly and Cumulative (Million Gallons) Actual as of September 2009." While the underlying data and averages include FY 95-96 forward, only the portion from FY 05-06 forward was printed. This schedule shows a calculated revenue shortfall of \$2,781,519 for the first three months of fiscal year 2010. This shortfall was calculated by comparing actual plant effluent to average, calculating the variance at Docket 3832 average rates.
 - B. In order to provide a second calculation, which may be somewhat more accurate, we have also enclosed a schedule entitled "Providence Water-Water Sales," which calculates a shortfall for the first 3 months of fiscal year 2010 of \$2,561,347. The difference between this schedule and the previous schedule is that we utilized the Docket 4061 consumption projections and compared them to the actual consumption for the first 3 months of fiscal year 2010. We then applied the actual rates per class from Docket 3832. Accordingly, depending on which method is utilized to calculate the shortfall, it ranges from approximately \$2,561,347 to \$2,781,519.

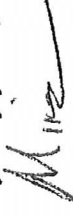
- C. Providence Water has also projected the entire FY 2010 monetary deficit under two different scenarios. First, enclosed is a schedule entitled "Providence Water Plant Effluent Monthly and Cumulative (Million Gallons) Actual as of September 2009, balance estimated at 8.67% reduced effluent." This schedule uses actual figures for the first 3 months of FY 2010 and then estimates the remaining 9 months at 8.67% below average because September was 8.67% below average. Using these assumptions results in a projected revenue shortfall for FY 2010 of \$6,107,277.
- D. Second, enclosed is a schedule entitled "Providence Water Cumulative Plant Effluent actual through September 2009, balance estimated at 16.8% reduced effluent." The difference between this schedule and the previous one is that this schedule utilizes the July, August, and September average reduction (16.8%) rather than the September average reduction alone (8.67%) and assumes that the remaining 9 months of FY 2010 will be 16.8% below average. This schedule projects revenue shortfall for FY 2010 of \$9,225,895.
- E. The approved revenue requirement in Docket No. 4061 was \$60,262,498.

1-5. Please provide a current copy of a customer bill.

5. See attached.

If you have any questions or need any further information, please do not hesitate to call.

Very truly yours,



Michael R. McElroy

MRMc:tmg

cc: Pamela Marchand, P.E.
Boyce Spinelli
Jeanne Bondarevskis
Mary Deignan White
Cindy Wilson-Frias, Esq.
Service List

Schacht & McElroy

Providence Water
Plant Effluent

P. 1, part 1

Monthly and Cumulative (Million Gallons)

Actual as of September 2009 balance estimated at 16.8% reduced effluent

Month	95-96	CUMUL.	96-97	CUMUL.	97-98	CUMUL.	98-99	CUMUL.	99-00	CUMUL.	00-01	CUMUL.	01-02	CUMUL.	02-03	CUMUL.	03-04	CUMUL.	04-05
J	2,916.86	2,916.86	2,522.37	2,522.37	3,069.98	3,069.98	2,643.79	2,643.79	3,033.04	3,033.04	2,752.87	2,752.87	2,710.54	2,710.54	3,329.25	3,329.25	2,657.87	2,657.87	2,667.37
A	2,858.05	5,774.91	2,500.33	5,022.70	2,366.18	5,436.16	2,552.72	5,196.51	2,635.74	5,668.78	2,327.15	5,080.02	2,655.85	5,366.39	3,000.28	6,329.53	2,507.85	5,165.72	2,493.01
S	2,340.06	8,114.97	2,057.07	7,079.77	2,080.86	7,517.02	2,148.98	7,345.49	2,143.79	7,812.57	2,138.32	7,218.34	2,304.54	7,670.93	2,220.66	8,550.19	2,239.78	7,405.50	2,271.07
O	2,000.60	10,115.57	1,946.56	9,026.33	1,986.33	9,503.35	1,850.60	9,196.09	1,928.85	9,741.42	2,009.22	9,227.56	2,053.93	9,724.86	2,038.29	10,588.48	2,073.85	9,479.35	2,025.88
N	1,762.73	11,878.30	1,787.54	10,813.87	1,792.42	11,295.77	1,698.68	10,894.77	1,818.33	11,559.75	1,790.73	11,018.29	1,803.09	11,527.95	1,809.74	12,398.22	1,860.48	11,339.83	1,811.85
D	1,793.43	13,671.73	1,618.81	12,432.68	1,812.59	13,108.36	1,740.52	12,635.29	1,807.04	13,366.79	1,806.29	12,824.58	1,834.18	13,362.13	1,855.28	14,253.50	1,899.18	13,239.01	1,846.83
J	1,838.34	15,510.07	1,642.72	14,075.40	1,788.14	14,896.50	1,771.99	14,407.28	1,820.31	15,187.10	1,834.63	14,659.21	1,846.36	15,208.49	1,857.84	16,111.34	1,945.05	15,184.06	1,849.03
F	1,728.04	17,238.11	1,527.80	15,603.20	1,594.15	16,490.65	1,582.88	15,990.16	1,688.21	16,875.31	1,644.53	16,303.74	1,661.84	16,870.33	1,714.36	17,825.70	1,881.79	17,065.85	1,727.80
M	1,813.10	19,051.21	1,707.75	17,310.95	1,745.38	18,236.03	1,782.02	17,772.18	1,766.10	18,641.41	1,798.00	18,101.74	1,820.59	18,690.92	1,875.32	19,701.02	1,890.38	18,956.23	1,891.12
A	1,786.21	20,837.42	1,677.12	18,988.07	1,762.27	19,998.30	1,809.20	19,581.38	1,723.38	20,364.79	1,822.16	19,923.90	1,881.41	20,572.33	1,854.77	21,555.79	1,884.11	20,840.34	1,878.76
M	2,067.89	22,905.31	1,882.27	20,870.34	2,094.77	22,093.07	2,266.02	21,847.40	2,037.10	22,401.89	2,541.49	22,465.39	2,139.44	22,711.77	2,120.32	23,676.11	2,259.44	23,099.78	2,016.37
J	2,507.75	25,413.06	2,591.95	23,462.29	2,077.02	24,170.09	3,040.36	24,887.76	2,264.35	24,666.24	2,555.52	25,020.91	2,368.83	25,080.60	2,210.18	25,886.29	2,634.24	25,734.02	2,753.59

Total days		366		365		365		365		366		365		365		365		366
annual MGD		69.43		64.28		66.22		68.19		67.39		68.55		68.71		70.92		70.31

* July - September '09 actual, October '09-June'10 estimated based on YTD actual plus previous average monthly amount projected at September 2009 rate of 16.8% below average.

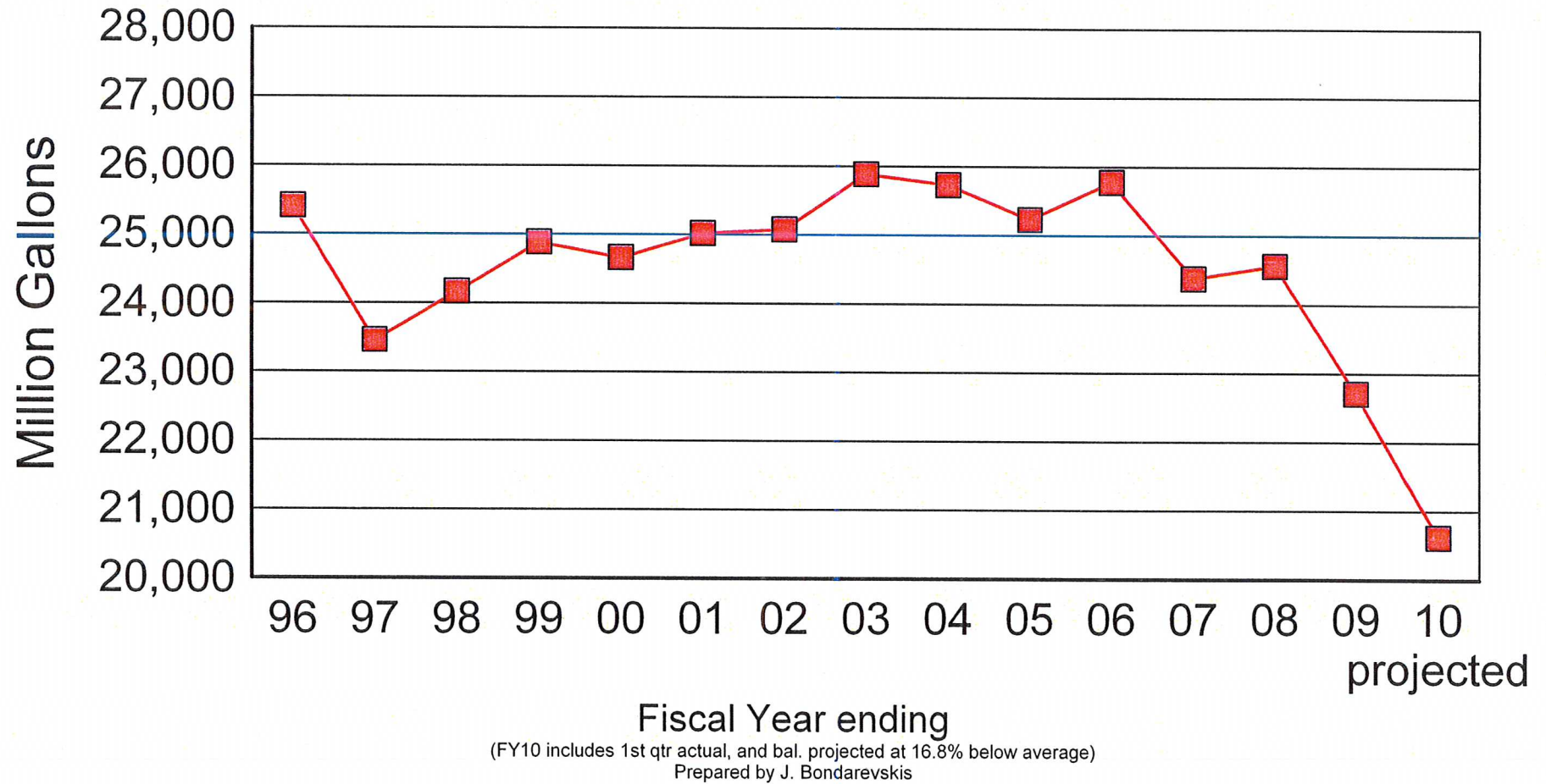
Projected revenue shortfall calculated at 6 months of D3832 avg rate per million gallons of \$2,166.34 and D4061 avg rate of \$2,271.85 per million gallons.

D 4113, Q 1-1

Month	CUMUL.	05-06	CUMUL.	06-07	CUMUL.	07-08	CUMUL.	08-09	CUMUL.	09-10 *	CUMUL.	Monthly Actual Average	Max	Min	W/out 09-10 Avg	Variance From Prior Average	Average Rate per Million Gal's	Projected Revenue Shortfall	Percentate Effluent % Shortfall
J	2,667.37	3,025.80	3,025.80	2,652.22	2,652.22	2,673.31	2,673.31	2,831.60	2,831.60	2,016.61	2,016.61	2,766.90	3,329.25	2,016.61	2,820.49	-803.88	\$2,166.34	-\$1,741,475	-28.50%
A	5,160.38	3,121.76	6,147.56	2,590.40	5,242.62	2,639.87	5,313.18	2,397.62	5,229.22	2,328.59	4,345.20	2,598.36	3,121.76	2,327.15	2,617.63	-289.04	\$2,166.34	-\$626,156	-11.04%
S	7,431.45	2,430.96	8,578.52	2,024.69	7,267.31	2,398.45	7,711.63	2,067.75	7,296.97	2,013.73	6,358.93	2,192.05	2,430.96	2,013.73	2,204.78	-191.05	\$2,166.34	-\$413,888	-8.67%
O	9,457.33	2,104.15	10,682.67	1,892.38	9,159.69	2,011.08	9,722.71	1,838.50	9,135.47	1,649.75	8,008.68	1,982.87	2,104.15	1,649.75	1,982.87	-333.12	\$2,166.34	-\$721,655	-16.80%
N	11,269.18	1,834.13	12,516.80	1,763.38	10,923.07	1,697.89	11,420.60	1,618.85	10,754.32	1,476.79	9,485.47	1,774.99	1,860.48	1,476.79	1,774.99	-298.20	\$2,166.34	-\$645,997	-16.80%
D	13,116.01	1,807.43	14,324.23	1,725.82	12,648.89	1,719.01	13,139.61	1,650.38	12,404.70	1,480.77	10,966.24	1,779.77	1,899.18	1,480.77	1,779.77	-299.00	\$2,166.34	-\$647,738	-16.80%
J	14,965.04	1,792.82	16,117.05	1,786.76	14,435.65	1,748.83	14,888.44	1,675.61	14,080.31	1,497.51	12,463.75	1,799.89	1,945.05	1,497.51	1,799.89	-302.38	\$2,271.85	-\$686,965	-16.80%
F	16,692.84	1,605.17	17,722.22	1,648.96	16,084.61	1,617.09	16,505.53	1,523.48	15,603.79	1,375.54	13,839.29	1,653.29	1,881.79	1,375.54	1,653.29	-277.75	\$2,271.85	-\$631,014	-16.80%
M	18,583.96	1,796.56	19,518.78	1,794.90	17,879.51	1,697.22	18,202.75	1,597.52	17,201.31	1,484.29	15,323.57	1,784.00	1,891.12	1,484.29	1,784.00	-299.71	\$2,271.85	-\$680,900	-16.80%
A	20,462.72	1,814.10	21,332.88	1,769.42	19,648.93	1,777.66	19,980.41	1,627.62	18,828.93	1,489.77	16,813.34	1,790.58	1,884.11	1,489.77	1,790.58	-300.82	\$2,271.85	-\$683,415	-16.80%
M	22,479.09	2,094.21	23,427.09	2,220.47	21,869.40	2,016.89	21,997.30	1,990.26	20,819.19	1,767.82	18,581.16	2,124.78	2,541.49	1,767.82	2,124.78	-356.96	\$2,271.85	-\$810,968	-16.80%
J	25,232.68	2,349.74	25,776.83	2,512.01	24,381.41	2,568.04	24,565.34	1,889.46	22,708.65	2,039.77	20,620.93	2,451.65	3,040.36	1,889.46	2,451.65	-411.88	\$2,271.85	-\$935,723	-16.80%
															Total	-4,163.80		<u>-\$9,225,895</u>	
Total days	365		365		365		366		365		365								
annual MGD	69.13		70.62		66.80		67.12		62.22		56.50								

D4113, Q1-1

Providence Water Plant Effluent



D4113, Q1-1

Providence Water
Expense Breakdown and Percentage
Docket 4061
Effective 10/05/09

	<u>Fixed</u>	<u>Variable</u>	<u>Total</u>
Operations and Maintenance			
Salaries	12,448,457		12,448,457
Benefits	8,431,788		8,431,788
Other O&M	6,316,250		6,316,250
Purchase Power & Fuel *	<u>-1,387,132</u>	<u>1,387,132</u>	<u>0</u>
Sub-total O&M	25,809,363	1,387,132	27,196,495
Insurance	1,777,062		1,777,062
Chemical & Sludge	696,667	1,762,275	2,458,942
City Service Expense	839,167		839,167
Property Tax	6,084,162		6,084,162
Capital Reimbursement	<u>-998,154</u>	<u>0</u>	<u>-998,154</u>
Net Operations	34,208,267	3,149,407	37,357,674
Capital Improvements	2,450,000	0	2,450,000
Western Cranston Fund	62,069	0	62,069
Rate Year IFR Debt Service	3,381,980	0	3,381,980
RY IFR balance for projects	<u>12,618,020</u>	<u>0</u>	<u>12,618,020</u>
Infrastructure Replacement	16,000,000	0	16,000,000
Meter Replacement	1,000,000	0	1,000,000
Equipment Replacement	<u>600,000</u>	<u>0</u>	<u>600,000</u>
Total Expenses	<u>54,320,336</u>	<u>3,149,407</u>	<u>57,469,743</u>
Percentage	94.52%	5.48%	100.00%

* Accounts 61523, 61623, 61630 Purchase Power and Fuel for Purchase Power in Pumping and Water Treatment Expense

Source: Schedule HJS Settlement - 1

For Docket 4113 Q 1-2

Providence Water
Revenue breakdown and percentage
Docket 4061
Effective 10/05/09

	<u>Fixed</u>	<u>Variable</u>	<u>Total</u>
Quarterly Service Charges	\$5,255,469		\$5,255,469
Monthly Service Charges	<u>\$48,194</u>		<u>\$48,194</u>
Total Service Charges	\$5,303,663		\$5,303,663
Retail Consumption		\$32,708,955	\$32,708,955
Wholesale Consumption		<u>\$16,650,654</u>	<u>\$16,650,654</u>
Total Consumption		\$49,359,609	\$49,359,609
Private Fire Service Charges	\$1,944,394		\$1,944,394
Public Fire Service Charges	<u>\$1,877,696</u>		<u>\$1,877,696</u>
Total Fire Protection	\$3,822,090		\$3,822,090
Miscellaneous Revenue	<u>\$1,777,137</u>		<u>\$1,777,137</u>
Total Revenue	<u>\$10,902,890</u>	<u>\$49,359,609</u>	<u>\$60,262,499</u>
	18.09%	81.91%	100.00%

Source: Schedule HJS-Settlement-11

For Docket 4113 Q 1-3

Providence Water
 Plant Effluent
 Monthly and Cumulative (Million Gallons)
 Actual as of September 2009

Month	05-06	CUMUL.	06-07	CUMUL.	07-08	CUMUL.	08-09	CUMUL.	09-10 *	CUMUL.	Monthly Actual Average	Max	Min	W/out 09-10 Avg	Variance From Prior Average	Average Rate per Million Gal's	Projected Revenue Shortfall	Percentate Effluent % Shortfall	
J	3,025.80	3,025.80	2,652.22	2,652.22	2,673.31	2,673.31	2,831.60	2,831.60	2,016.61	2,016.61	2,766.90	3,329.25	2,016.61	2,820.49	-803.88	\$2,166.34	-\$1,741,475	-28.50%	
A	3,121.76	6,147.56	2,590.40	5,242.62	2,639.87	5,313.18	2,397.62	5,229.22	2,328.59	4,345.20	2,598.36	3,121.76	2,327.15	2,617.63	-289.04	\$2,166.34	-\$626,156	-11.04%	
S	2,430.96	8,578.52	2,024.69	7,267.31	2,398.45	7,711.63	2,067.75	7,296.97	2,013.73	6,358.93	2,192.05	2,430.96	2,013.73	2,204.78	-191.05	\$2,166.34	-\$413,888	-8.67%	
O	2,104.15	10,682.67	1,892.38	9,159.69	2,011.08	9,722.71	1,838.50	9,135.47	1,982.87	8,341.80	1,982.87	2,104.15	1,838.50	1,982.87	0.00	\$2,166.34	\$0	0.00%	
N	1,834.13	12,516.80	1,763.38	10,923.07	1,697.89	11,420.60	1,618.85	10,754.32	1,774.99	10,116.79	1,774.99	1,860.48	1,618.85	1,774.99	0.00	\$2,166.34	\$0	0.00%	
D	1,807.43	14,324.23	1,725.82	12,648.89	1,719.01	13,139.61	1,650.38	12,404.70	1,779.77	11,896.56	1,779.77	1,899.18	1,618.81	1,779.77	0.00	\$2,166.34	\$0	0.00%	
J	1,792.82	16,117.05	1,786.76	14,435.65	1,748.83	14,888.44	1,675.61	14,080.31	1,799.89	13,696.45	1,799.89	1,945.05	1,642.72	1,799.89	0.00	\$2,271.85	\$0	0.00%	
F	1,605.17	17,722.22	1,648.96	16,084.61	1,617.09	16,505.53	1,523.48	15,603.79	1,653.29	15,349.74	1,653.29	1,881.70	1,523.48	1,653.29	0.00	\$2,271.85	\$0	0.00%	
M	1,796.56	19,518.78	1,794.90	17,879.51	1,697.22	18,202.75	1,597.52	17,201.31	1,784.00	17,133.74	1,784.00	1,891.12	1,597.52	1,784.00	0.00	\$2,271.85	\$0	0.00%	
A	1,814.10	21,332.88	1,769.42	19,648.93	1,777.66	19,980.41	1,627.62	18,828.93	1,790.58	18,924.33	1,790.58	1,884.11	1,627.62	1,790.58	0.00	\$2,271.85	\$0	0.00%	
M	2,094.21	23,427.09	2,220.47	21,869.40	2,016.89	21,997.30	1,990.26	20,819.19	2,124.78	21,049.11	2,124.78	2,541.49	1,882.27	2,124.78	0.00	\$2,271.85	\$0	0.00%	
J	2,349.74	25,776.83	2,512.01	24,381.41	2,568.04	24,565.34	1,889.46	22,708.65	2,451.65	23,500.75	2,451.65	3,040.36	1,889.46	2,451.65	0.00	\$2,271.85	\$0	0.00%	
														Total	-1,283.97		-\$2,781,519		
Total days	365		365		366		365		365										
annual MGD	70.62		66.80		67.12		62.22		64.39										

* July - September '09 actual, October '09-June'10 estimated based on YTD actual plus previous average monthly amount.

Projected revenue shortfall calculated at 6 months of D3832 avg rate per million gallons of \$2,166.34 and D4061 avg rate of \$2,271.85 per million gallons.

D 4113, Q1-4 A

PROVIDENCE WATER
Cumulative Plant Effluent actual thru September 2009
Million Gallons

	05-06	06-07	07-08	08-09	09-10*	Max	Min	96-09 Avg	09-10 vs. Avg	Cumulative %
J	3,025.80	2,652.22	2,673.31	2,831.60	2,016.61	3,329.25	2,016.61	2,820.49	-803.88	-28.50%
A	6,147.56	5,242.62	5,313.18	5,229.22	4,345.20	6,329.53	4,345.20	5,438.12	-1,092.92	-20.10%
S	8,578.52	7,267.31	7,711.63	7,296.97	6,358.93	8,578.52	6,358.93	7,642.90	-1,283.97	-16.80%
O	10,682.67	9,159.69	9,722.71	9,135.47	8,341.80	10,682.67	8,341.80	9,625.78	-1,283.97	-13.34%
N	12,516.80	10,923.07	11,420.60	10,754.32	10,116.79	12,516.80	10,116.79	11,400.77	-1,283.97	-11.26%
D	14,324.23	12,648.89	13,139.61	12,404.70	11,896.56	14,324.23	11,896.56	13,180.54	-1,283.97	-9.74%
J	16,117.05	14,435.65	14,888.44	14,080.31	13,696.45	16,117.05	13,696.45	14,980.42	-1,283.97	-8.57%
F	17,722.22	16,084.61	16,505.53	15,603.79	15,349.74	17,825.70	15,349.74	16,633.72	-1,283.97	-7.72%
M	19,518.78	17,879.51	18,202.75	17,201.31	17,133.74	19,701.02	17,133.74	18,417.71	-1,283.97	-6.97%
A	21,332.88	19,648.93	19,980.41	18,828.93	18,924.33	21,555.79	18,828.93	20,208.30	-1,283.97	-6.35%
M	23,427.09	21,869.40	21,997.30	20,819.19	21,049.11	23,676.11	20,819.19	22,333.08	-1,283.97	-5.75%
J	25,776.83	24,381.41	24,565.34	22,708.65	23,500.75	25,886.29	22,708.65	24,784.73	-1,283.97	-5.18%
	365	365	366	365	365					
Annual MGD	70.62	66.80	67.12	62.22	64.39	70.92	62.22	67.85	-3.46	
YTD MGD	53.48	48.98	49.73	47.13	46.94	53.98	46.94	50.45	-3.51	
Jul-Dec MGD	77.85	68.74	71.41	67.42	64.66	77.85	64.66	71.63	-6.98	
Avg changed	7.23	1.95	4.29	5.20	0.27	7.23	0.27	3.78		

Bristol County Water Authority starts purchasing water Jan '99

*July - September '09 actual, October '09-June'10 estimated based on YTD actual plus previous average monthly amount.

D 4113, Q1-4A

Providence Water
Water Sales

Billed Consumption HCF

	Projected Docket 4061 * 1st Quarter HCF	Actual FYTD HCF Jul. - Sep. 2009	HCF Variance	D3832 Rates	\$ Variance
<u>Wholesale</u>					
East Providence	751,571	600,789	(150,782)	1.088913	\$ (164,189)
East Smithfield	107,066	81,159	(25,907)	1.088913	\$ (28,210)
Greenville	172,152	149,449	(22,703)	1.088913	\$ (24,722)
Kent County	1,088,372	685,191	(403,181)	1.088913	\$ (439,029)
Smithfield	157,406	129,795	(27,611)	1.088913	\$ (30,066)
Warwick	1,711,310	1,301,040	(410,270)	1.088913	\$ (446,748)
Lincoln	399,258	314,404	(84,854)	1.088913	\$ (92,399)
Johnston	99,298	93,134	(6,164)	1.088913	\$ (6,712)
Bristol County	399,726	359,956	(39,770)	1.088913	\$ (43,306)
Total Wholesale	4,886,159	3,714,917	(1,171,242)		\$ (1,275,381)
					-24%
<u>Retail</u>					
Residential	2,950,378	2,297,702	(652,676)	\$ 2.134	\$ (1,392,810)
Commercial	1,059,705	1,260,482	200,777	\$ 2.049	\$ 411,393
Industrial	201,346	49,905	(151,441)	\$ 2.011	\$ (304,548)
Sub-total Retail	4,211,429	3,608,089	(603,340)		\$ (1,285,966)
					-14%
Total	<u>9,097,588</u>	<u>7,323,006</u>	<u>(1,774,582)</u>		<u>\$ (2,561,347)</u>
					-20%

Providence Water
Plant Effluent
Monthly and Cumulative (Million Gallons)

Actual as of September 2009 balance estimated at 8.67% reduced effluent

Month	05-06	CUMUL.	06-07	CUMUL.	07-08	CUMUL.	08-09	CUMUL.	09-10 *	CUMUL.	Monthly Actual Average	Max	Min	W/out 09-10 Avg	Variance From Prior Average	Average Rate per Million Gal's	Projected Revenue Shortfall	Percentate Effluent % Shortfall
J	3,025.80	3,025.80	2,652.22	2,652.22	2,673.31	2,673.31	2,831.60	2,831.60	2,016.61	2,016.61	2,766.90	3,329.25	2,016.61	2,820.49	-803.88	\$2,166.34	-\$1,741,475	-28.50%
A	3,121.76	6,147.56	2,590.40	5,242.62	2,639.87	5,313.18	2,397.62	5,229.22	2,328.59	4,345.20	2,598.36	3,121.76	2,327.15	2,617.63	-289.04	\$2,166.34	-\$626,156	-11.04%
S	2,430.96	8,578.52	2,024.69	7,267.31	2,398.45	7,711.63	2,067.75	7,296.97	2,013.73	6,358.93	2,192.05	2,430.96	2,013.73	2,204.78	-191.05	\$2,166.34	-\$413,888	-8.67%
O	2,104.15	10,682.67	1,892.38	9,159.69	2,011.08	9,722.71	1,838.50	9,135.47	1,810.96	8,169.89	1,982.87	2,104.15	1,810.96	1,982.87	-171.92	\$2,166.34	-\$372,426	-8.67%
N	1,834.13	12,516.80	1,763.38	10,923.07	1,697.89	11,420.60	1,618.85	10,754.32	1,621.10	9,790.98	1,774.99	1,860.48	1,618.85	1,774.99	-153.89	\$2,166.34	-\$333,381	-8.67%
D	1,807.43	14,324.23	1,725.82	12,648.89	1,719.01	13,139.61	1,650.38	12,404.70	1,625.46	11,416.45	1,779.77	1,899.18	1,618.81	1,779.77	-154.31	\$2,166.34	-\$334,279	-8.67%
J	1,792.82	16,117.05	1,786.76	14,435.65	1,748.83	14,888.44	1,675.61	14,080.31	1,643.84	13,060.29	1,799.89	1,945.05	1,642.72	1,799.89	-156.05	\$2,271.85	-\$354,523	-8.67%
F	1,605.17	17,722.22	1,648.96	16,084.61	1,617.09	16,505.53	1,523.48	15,603.79	1,509.95	14,570.24	1,653.29	1,881.79	1,509.95	1,653.29	-143.34	\$2,271.85	-\$325,648	-8.67%
M	1,796.56	19,518.78	1,794.90	17,879.51	1,697.22	18,202.75	1,597.52	17,201.31	1,629.32	16,199.56	1,784.00	1,891.12	1,597.52	1,784.00	-154.67	\$2,271.85	-\$351,393	-8.67%
A	1,814.10	21,332.88	1,769.42	19,648.93	1,777.66	19,980.41	1,627.62	18,828.93	1,635.34	17,834.91	1,790.58	1,884.11	1,627.62	1,790.58	-155.24	\$2,271.85	-\$352,691	-8.67%
M	2,094.21	23,427.09	2,220.47	21,869.40	2,016.89	21,997.30	1,990.26	20,819.19	1,940.56	19,775.47	2,124.78	2,541.49	1,882.27	2,124.78	-184.22	\$2,271.85	-\$418,517	-8.67%
J	2,349.74	25,776.83	2,512.01	24,381.41	2,568.04	24,565.34	1,889.46	22,708.65	2,239.09	22,014.56	2,451.65	3,040.36	1,889.46	2,451.65	-212.56	\$2,271.85	-\$482,900	-8.67%
Total days		365		365		366		365		365				Total	-2,770.17		-\$6,107,277	
annual MGD		70.62		66.80		67.12		62.22		60.31								

* July - September '09 actual, October '09-June'10 estimated based on YTD actual plus previous average monthly amount projected at September 2009 rate of 8.67% below average.
Projected revenue shortfall calculated at 6 months of D3832 avg rate per million gallons of \$2,166.34 and D4061 avg rate of \$2,271.85 per million gallons.

D 4113 Q1-4C

PROVIDENCE WATER

Cumulative Plant Effluent actual thru September 2009, balance estimated at 8.67% reduced effluent

P. 2

Million Gallons

	05-06	06-07	07-08	08-09	09-10 *	Max	Min	96-09 Avg	09-10 vs. Avg	Cumulative %
J	3,025.80	2,652.22	2,673.31	2,831.60	2,016.61	3,329.25	2,016.61	2,820.49	-803.88	-28.50%
A	6,147.56	5,242.62	5,313.18	5,229.22	4,345.20	6,329.53	4,345.20	5,438.12	-1,092.92	-20.10%
S	8,578.52	7,267.31	7,711.63	7,296.97	6,358.93	8,578.52	6,358.93	7,642.90	-1,283.97	-16.80%
O	10,682.67	9,159.69	9,722.71	9,135.47	8,169.89	10,682.67	8,169.89	9,625.78	-1,455.89	-15.12%
N	12,516.80	10,923.07	11,420.60	10,754.32	9,790.98	12,516.80	9,790.98	11,400.77	-1,609.78	-14.12%
D	14,324.23	12,648.89	13,139.61	12,404.70	11,416.45	14,324.23	11,416.45	13,180.54	-1,764.09	-13.38%
J	16,117.05	14,435.65	14,888.44	14,080.31	13,060.29	16,117.05	13,060.29	14,980.42	-1,920.14	-12.82%
F	17,722.22	16,084.61	16,505.53	15,603.79	14,570.24	17,825.70	14,570.24	16,633.72	-2,063.48	-12.41%
M	19,518.78	17,879.51	18,202.75	17,201.31	16,199.56	19,701.02	16,199.56	18,417.71	-2,218.15	-12.04%
A	21,332.88	19,648.93	19,980.41	18,828.93	17,834.91	21,555.79	17,834.91	20,208.30	-2,373.39	-11.74%
M	23,427.09	21,869.40	21,997.30	20,819.19	19,775.47	23,676.11	19,775.47	22,333.08	-2,557.61	-11.45%
J	25,776.83	24,381.41	24,565.34	22,708.65	22,014.56	25,886.29	22,014.56	24,784.73	-2,770.17	-11.18%
	365	365	366	365	365					
Annual MGD	70.62	66.80	67.12	62.22	60.31	70.92	60.31	67.85	-7.54	
YTD MGD	53.48	48.98	49.73	47.13	44.38	53.98	44.38	50.45	-6.07	
Jul-Dec MGD	77.85	68.74	71.41	67.42	62.05	77.85	62.05	71.63	-9.59	
Avg changed	7.23	1.95	4.29	5.20	1.73	7.23	0.48	3.78		

Bristol County Water Authority starts purchasing water Jan '99

*July - September '09 actual, October '09-June '10 estimated based on YTD actual plus previous average monthly amount projected at September 2009 rate of 8.67% below average.

D 4113 Q1-4C

Providence Water
 Plant Effluent
 Monthly and Cumulative (Million Gallons)
 Actual as of September 2009 balance estimated at 16.8% reduced effluent

Month	05-06	CUMUL.	06-07	CUMUL.	07-08	CUMUL.	08-09	CUMUL.	09-10 *	CUMUL.	Monthly Actual Average	Max	Min	W/out 09-10 Avg	Variance From Prior Average	Average Rate per Million Gal's	Projected Revenue Shortfall	Percentate Effluent % Shortfall
J	3,025.80	3,025.80	2,652.22	2,652.22	2,673.31	2,673.31	2,831.60	2,831.60	2,016.61	2,016.61	2,766.90	3,329.25	2,016.61	2,820.49	-803.88	\$2,166.34	-\$1,741,475	-28.50%
A	3,121.76	6,147.56	2,590.40	5,242.62	2,639.87	5,313.18	2,397.62	5,229.22	2,328.59	4,345.20	2,598.36	3,121.76	2,327.15	2,617.63	-289.04	\$2,166.34	-\$626,156	-11.04%
S	2,430.96	8,578.52	2,024.69	7,267.31	2,398.45	7,711.63	2,067.75	7,296.97	2,013.73	6,358.93	2,192.05	2,430.96	2,013.73	2,204.78	-191.05	\$2,166.34	-\$413,888	-8.67%
O	2,104.15	10,682.67	1,892.38	9,159.69	2,011.08	9,722.71	1,838.50	9,135.47	1,649.75	8,008.68	1,982.87	2,104.15	1,649.75	1,982.87	-333.12	\$2,166.34	-\$721,655	-16.80%
N	1,834.13	12,516.80	1,763.38	10,923.07	1,897.89	11,420.60	1,618.85	10,754.32	1,476.79	9,485.47	1,774.99	1,860.48	1,476.79	1,774.99	-298.20	\$2,166.34	-\$645,997	-16.80%
D	1,807.43	14,324.23	1,725.82	12,648.89	1,719.01	13,139.61	1,650.38	12,404.70	1,480.77	10,966.24	1,779.77	1,899.18	1,480.77	1,779.77	-299.00	\$2,166.34	-\$647,738	-16.80%
J	1,792.82	16,117.05	1,786.76	14,435.65	1,748.83	14,888.44	1,675.61	14,080.31	1,497.51	12,463.75	1,799.89	1,945.05	1,497.51	1,799.89	-302.38	\$2,271.85	-\$686,965	-16.80%
F	1,605.17	17,722.22	1,648.96	16,084.61	1,617.09	16,505.53	1,523.48	15,603.79	1,375.54	13,839.29	1,653.29	1,881.79	1,375.54	1,653.29	-277.75	\$2,271.85	-\$631,014	-16.80%
M	1,796.56	19,518.78	1,794.90	17,879.51	1,697.22	18,202.75	1,597.52	17,201.31	1,484.29	15,323.57	1,784.00	1,881.12	1,484.29	1,784.00	-299.71	\$2,271.85	-\$680,900	-16.80%
A	1,814.10	21,332.88	1,769.42	19,648.93	1,777.66	19,980.41	1,627.62	18,828.93	1,489.77	16,813.34	1,790.58	1,884.11	1,489.77	1,790.58	-300.82	\$2,271.85	-\$683,415	-16.80%
M	2,094.21	23,427.09	2,220.47	21,869.40	2,016.89	21,997.30	1,990.26	20,819.19	1,767.82	18,581.16	2,124.78	2,541.49	1,767.82	2,124.78	-356.96	\$2,271.85	-\$810,968	-16.80%
J	2,349.74	25,776.83	2,512.01	24,381.41	2,568.04	24,565.34	1,889.46	22,708.65	2,039.77	20,620.93	2,451.65	3,040.36	1,889.46	2,451.65	-411.88	\$2,271.85	-\$935,723	-16.80%
Total days		365		365		366		365		365				Total	-4,163.80		-\$9,225,895	
annual MGD		70.62		66.80		67.12		62.22		56.50								

* July - September '09 actual, October '09-June'10 estimated based on YTD actual plus previous average monthly amount projected at September 2009 rate of 16.8% below average.
 Projected revenue shortfall calculated at 6 months of D3832 avg rate per million gallons of \$2,166.34 and D4061 avg rate of \$2,271.85 per million gallons.

D 4113 Q1-4D

PROVIDENCE WATER

Cumulative Plant Effluent actual thru September 2009, balance estimated at 16.8% reduced effluent

P. 2

Million Gallons

	05-06	06-07	07-08	08-09	09-10 *	Max	Min	96-09 Avg	09-10 vs. Avg	Cumulative %
J	3,025.80	2,652.22	2,673.31	2,831.60	2,016.61	3,329.25	2,016.61	2,820.49	-803.88	-28.50%
A	6,147.56	5,242.62	5,313.18	5,229.22	4,345.20	6,329.53	4,345.20	5,438.12	-1,092.92	-20.10%
S	8,578.52	7,267.31	7,711.63	7,296.97	6,358.93	8,578.52	6,358.93	7,642.90	-1,283.97	-16.80%
O	10,682.67	9,159.69	9,722.71	9,135.47	8,008.68	10,682.67	8,008.68	9,625.78	-1,617.10	-16.80%
N	12,516.80	10,923.07	11,420.60	10,754.32	9,485.47	12,516.80	9,485.47	11,400.77	-1,915.30	-16.80%
D	14,324.23	12,648.89	13,139.61	12,404.70	10,966.24	14,324.23	10,966.24	13,180.54	-2,214.30	-16.80%
J	16,117.05	14,435.65	14,888.44	14,080.31	12,463.75	16,117.05	12,463.75	14,980.42	-2,516.68	-16.80%
F	17,722.22	16,084.61	16,505.53	15,603.79	13,839.29	17,825.70	13,839.29	16,633.72	-2,794.43	-16.80%
M	19,518.78	17,879.51	18,202.75	17,201.31	15,323.57	19,701.02	15,323.57	18,417.71	-3,094.14	-16.80%
A	21,332.88	19,648.93	19,980.41	18,828.93	16,813.34	21,555.79	16,813.34	20,208.30	-3,394.96	-16.80%
M	23,427.09	21,869.40	21,997.30	20,819.19	18,581.16	23,676.11	18,581.16	22,333.08	-3,751.92	-16.80%
J	25,776.83	24,381.41	24,565.34	22,708.65	20,620.93	25,886.29	20,620.93	24,784.73	-4,163.80	-16.80%
	365	365	366	365	365					
Annual MGD	70.62	66.80	67.12	62.22	56.50	70.92	56.50	67.85	-11.35	
YTD MGD	53.48	48.98	49.73	47.13	41.98	53.98	41.98	50.45	-8.47	
Jul-Dec MGD	77.85	68.74	71.41	67.42	59.60	77.85	59.60	71.63	-12.03	
Avg changed	7.23	1.95	4.29	5.20	3.10	7.23	0.48	3.78		

Bristol County Water Authority starts purchasing water Jan '99

*July - September '09 actual, October '09-June'10 estimated based on YTD actual plus previous average monthly amount projected at September 2009 rate of 16.8 % below average.

D 4113 Q1-4D



P.O. BOX 1456
 PROVIDENCE, RI 02901-1456
 Please make your check payable to: PROVIDENCE WATER
 PLEASE SEE REVERSE SIDE
 To make an ACH or Credit Card payment visit our website @
 www.provwater.com. To Pay by Credit Card only call 1-866-833-2560

BEVERL
 287 P
 CRANS

131



Service Location

Total Amount Due
 (Upon Receipt)

\$ 60.40

If you think your bill is incorrect, contact our customer service office at (401) 521-5070.
 Interest of 1% Per Month will Be Charged On Payments Received 30 Days After the Billing Date.
 If you still believe your bill is incorrect, you may submit the matter to the Division of Public Utilities by calling (401) 780-9700

IMPORTANT

Please Return Bottom Portion,
 Retain Top Portion For Your Records

Current Meter Reading	86489	Current Dial 2 Reading	0	Previous Balance	\$ 137.60
Previous Meter Reading	84649	Previous Dial 2 Reading	0	Adjustments	0.00
Total Consumption	1840	Total Consumption	0	Payments	-137.60
				Balance Forward	\$ 0.00

Type of Meter Reading Read Date
ACTUAL 10/4/2009

Type of Charge
 CONSUMPTION
 PRORATED QTRLY SERV CHG
 RI WATER FUND

Consumption	Rate	Amount
18.40 HCF	2.13424*	39.27
18.40 HCF	0.21842	15.73
		4.02
SUB TOTAL		59.02
		1.38
TOTAL AMOUNT DUE		60.40

Consumption History

Period Ending	Used Per Day
Oct 09	0.20
Jul 09	0.20
Apr 09	0.29
Jan 09	0.22
Oct 08	0.30

* Providence Water Rates - November 1, 2007

VISIT US AT PROVIDENCE WATER'S WEB SITE - WWW.PROVWATER.COM
 552 ACADEMY AVENUE PROVIDENCE, RI 02908-2792

RES - \$2.134/HCF
 COMM - \$2.049/HCF
 IND - \$2.011/HCF

▼ Please Return Bottom Portion, Retain Top Portion For Your Records ▼



P.O. BOX 1456
 PROVIDENCE, RI 02901-1456

Service Location:

87
 RA

MAIL THIS PORTION
 WITH YOUR
 PAYMENT

WATER BILL

Account Number 404
 Billing Date 10/9/2009
 Service Period 07/05/09 TO 10/04/09
 Service Days 90
 Statement Number 20910081243332
 Meter Number 185022968

4041920010090900000000006040000039270000000

Mailing Address: (Use reverse side for name/address corrections.)

BEVE
 87
 RA

Total Amount Due \$

60.40
 (Upon Receipt)

PLEASE SEE REVERSE SIDE

Please make your check payable to: PROVIDENCE WATER
 To make an ACH or Credit Card payment visit our website @
 www.provwater.com. To Pay by Credit Card only call 1-866-833-2560

2031

D4113, Q1-5

NOTICE

Bills are due upon receipt. If payment is not received, or arrangements are not made with the Providence Water Supply Board you will receive a ten (10) day SHUT-OFF NOTICE. If the overdue balance is not paid, Providence Water Supply Board will proceed with the shut off of water service in accordance with RI Public Utilities Commission's Rules and Regulations governing the termination of water utility service.

Payments made by personal check(s). By sending your personal check, you authorize us to make a one time electronic debit from your bank account for the amount of the check. You understand that the funds may be debited from your account as early as the same day payment is received and that your financial institution will not return your original check to you.

EXPLANATION OF BILLING TERMS

- HCF: Hundred Cubic Feet, a basic unit of measure. For example 1 HCF equals 100 cubic feet. (1 HCF equals 748 gallons)
- Water Consumption: Amount of water used in HCF since the last billing.
- Service Charge: The portion of the bill that covers basic costs of providing service such as; meter reading, system maintenance, and billing. The service charge is based on meter size and is not related to the quantity of water used.
- R.I. State Water Fund: State surcharge established by RIGL 46-15.3 to protect the quality of the public water supplies and provide funding for water projects administered and controlled by the State of Rhode Island. Customers who are 65 years or older and live in a **single family** residence are EXEMPT from paying the R.I. State Water Fund Surcharge. Customers eligible for exemption may request an application from Providence Water.
- Estimated Billing: A bill based on your average usage rather than an actual meter reading. Your bill will be adjusted for any difference between actual and estimated reads, when the next actual read is obtained.

PROVIDENCE WATER
CHANGE OF ADDRESS NOTIFICATION

Account No.: _____ (Required)

Name: _____

Address: _____

City, State, Zip: _____

Signature: _____ Telephone: (____) _____