

THE COMMONWEALTH OF MASSACHUSETTS

RETURN

OF

AQUARION WATER COMPANY OF MASSACHUSETTS

TO THE

DEPARTMENT OF PUBLIC UTILITIES

OF MASSACHUSETTS

For the Year Ended December 31, 2011

Name of Officer to whom correspondence should be addressed regarding this report,

Debra Kirven
Official Title
Controller

Office Address: **600 Lindley Street**
Bridgeport, CT 06606

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Annual Report of Aquarion Water Company of Massachusetts			
General Information			
Principal and Salaried Officers*			
Titles	Names	Addresses	Annual Salaries
President Chief Executive Officer	Charles V. Firlotte	Aquarion Water Company 835 Main St., Bridgeport, CT 06604	
Vice President of Operations	Harry C. Hibbard	Aquarion Water Company of Massachusetts, Inc. 900 Main St., Hingham, MA 02018	
Vice President, Treasurer, Secretary and Clerk	Donald J. Morrissey	Aquarion Water Company 835 Main St., Bridgeport, CT 06604	
Vice President Operations	Howard J. Dunn	Aquarion Water Company 600 Lindley Street Bridgeport, CT 06604	
Vice President Corporate Communications	Bruce T. Silverstone	Aquarion Water Company 835 Main St., Bridgeport, CT 06604	
Directors*			
Names		Addresses	Fees Paid During Year
Howard J. Dunn		Aquarion Water Company 600 Lindley St., Bridgeport, CT 06606	
Charles V. Firlotte		Aquarion Water Company 835 Main St., Bridgeport, CT 06604	
Donald J. Morrissey		Aquarion Water Company 835 Main St., Bridgeport, CT 06604	
*By General Laws, Chapter 164, Section 83, the Return must contain a "List of names of all their salaried officers and the amount of the salary paid to each," and by Section 77, the department is required to include in its annual report "the names and addresses of the principal officers and of the directors."			

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Annual Report of Aquarion Water Company of Massachusetts		Year ended December 31, 2011	
GENERAL INFORMATION			
1. Full corporate title company	Aquarion Water Company of Massachusetts	Telephone No.	(781) 740-6693
2. Location of principal business office	900 Main Street Hingham, MA 02043		
3. Date of organization _____	August 9, 1879	4. Date of incorporation	March 21, 1879
5. Whether incorporated under general or special law	Special		
6. If under special law, give chapter and year of act	Chapter 139 Act of 1879		
7. Give chapter and year of any subsequent special legislation affecting the Company	Chapters 59, 88, 54, 168, 482 of Acts 1881, 1886, 1910, 1914, and 1924 respectively		
8. Territory covered by charter rights	Towns of Hingham, Hull, Millbury, Oxford, and parts of Cohasset and Norwell		
9. Capital stock authorized by charter,	\$5,000,000		
10. Capital stock issued prior to August 1, 1914,	\$300,000		
11. Capital stock issued with approval of Board of Gas and Electric Light Commissioners or the Department of Public Utilities since August 1, 1914	37,571 shares of par value of \$100.00 each \$3,757,100.00		
12. If additional stock has been issued during the last fiscal period, give the date, amount and price thereof, the date or dates on which the same was paid in, and the number of shares so sold and the amounts realized: _____ D.P.U. No.			
NONE			
13. Management Fees and Expenses during the Year			
List all individuals, associations, corporations or concerns with whom the company has any contract or agreement covering management or supervision of its affairs such as accounting, financing, engineering, construction, purchasing, operation, etc. and show the total amount paid to each for the year.			
Aquarion Company		\$115,683	
Aquarion Water Company of Connecticut		\$1,157,658	
14. Date when Company first began to distribute and sell water	July 3, 1880		
15. Total number of stockholders	One		
16. Number of stockholders resident in Massachusettes	NONE		
17. Amount of stock held in Massachusettes, number of shares _____, amount N/A			

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Annual Report of Aquarion Water Company of Massachusetts			Year ended December 31, 2011	
COMPARATIVE GENERAL BALANCE SHEET				
The entries in this balance sheet should be consistent with those in the supporting schedules on the pages indicated.				
All credit items hereunder should be in red ink				
Line No.	Balance at Beginning of Year (a)	Assets (b)	Balance at close of Year (c)	Net Change During Year (d)
1		INVESTMENTS		
2	\$ 58,409,729	101-113 Plant Investments (p202)	\$ 59,858,939	\$ 1,449,210
3	\$ 1,817,713	114-119 General Equipment (p202)	\$ 1,848,512	\$ 30,798
4	\$ 118,104	201 Unfinished Construction(p202)	\$ 83,351	\$ (34,753)
5	\$ 1,401	202 Miscellaneous Physical Property (p203)	\$ 1,401	\$ -
6	\$ -	203 Other Investments (p203)	\$ 1,000	\$ 1,000
7	\$ 60,346,947	Total Investments	\$ 61,793,203	\$ 1,446,257
8		CURRENT ASSETS		
9	\$ 34,379	204 Cash	\$ 44,933	\$ 10,554
10	\$ -	205 Special Deposits	\$ -	\$ -
11	\$ 800,000	206 Notes Receivable	\$ -	\$ (800,000)
12	\$ 946,291	207 Accounts Receivable	\$ 1,030,216	\$ 83,925
13	\$ -	208 Interest and Dividends Receivable	\$ -	\$ -
14	\$ 280,511	209 Materials and Supplies	\$ 250,496	\$ (30,015)
15	\$ 1,964,189	210 Other Current Assets	\$ 2,043,613	\$ 79,424
16	\$ 4,025,370	Total Current Assets	\$ 3,369,258	\$ (656,112)
17		RESERVE FUNDS		
18	\$ -	211 Sinking Funds	\$ -	\$ -
19	\$ -	212 Insurance and Other Funds	\$ -	\$ -
20	\$ -	Total Reserve Funds	\$ -	\$ -
21		PREPAID ACCOUNTS		
22	\$ 26,432	213 Prepaid Insurance	\$ -	\$ (26,432)
23	\$ -	214 Prepaid Interest	\$ -	\$ -
24	\$ 34,047	215 Other Prepayments	\$ 36,970	\$ 2,923
25	\$ 60,479	Total Prepaid Accounts	\$ 36,970	\$ (23,509)
26		UNADJUSTED DEBITS		
27	\$ 99,403	216 Unamortized Dept Discount Exp (p203)	\$ 261,421	\$ 162,018
28	\$ -	217 Property Abandoned	\$ -	\$ -
29	\$ 6,150,626	218 Other Unadjusted Debits (p203)	\$ 9,223,973	\$ 3,073,347
30	\$ 6,250,029	Total Unadjusted Debits	\$ 9,485,394	\$ 3,235,365
31				
32	\$ 70,682,825	GRAND TOTAL	\$ 74,684,825	\$ 4,002,000

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Annual Report of Aquarion Water Company of Massachusetts			Year ended December 31, 2011	
COMPARATIVE GENERAL BALANCE SHEET				
The entries in this balance sheet should be consistent with those in the supporting schedules on the pages indicated. All debit items hereunder should be in red ink.				
Line No.	Balance at Beginning of Year (a)	Liabilities (b)	Balance at close of Year (c)	Net Change During Year (d)
1		CAPITAL STOCK		
2				
3	\$ 3,757,100	301 Common Stock (p. 204)	\$ 3,757,100	\$ -
4	\$ -	302 Preferred Stock (p. 204)	\$ -	\$ -
5	\$ -	303 Employees' Stock (p. 204)	\$ -	\$ -
6	\$ 3,757,100	Total Capital Stock	\$ 3,757,100	\$ -
7				
8	\$ 1,135,450	304 Premium on Capital Stock	\$ 1,135,450	\$ -
9				
10		BONDS, COUPON AND LONG TERM NOTES		
11				
12	\$ 10,782,652	305 Bonds (p. 204)	\$ 19,633,001	\$ 8,850,349
13	\$ -	306 Coupon and Long Term Notes (p. 204)	\$ -	\$ -
14	\$ 10,782,652	Total Bonds, Coupon and Long Term Notes	\$ 19,633,001	\$ 8,850,349
15				
16		CURRENT LIABILITIES		
17	\$ 9,500,000	307 Notes Payable (p. 205)	\$ -	\$ (9,500,000)
18	\$ 778,196	308 Accounts Payable	\$ 709,625	\$ (68,571)
19	\$ 750	309 Consumers' Deposits	\$ 854	\$ 104
20	\$ -	310 Matured Interest Unpaid	\$ -	\$ -
21	\$ -	311 Dividends Declared	\$ -	\$ -
22	\$ -	312 Other Current Liabilities	\$ -	\$ -
23	\$ 10,278,946	Total Current Liabilities	\$ 710,479	\$ (9,568,467)
24				
25		ACCRUED LIABILITIES		
26	\$ (91)	313 Tax Liability	\$ (91)	\$ -
27	\$ 89,962	314 Interest Accrued	\$ 143,392	\$ 53,430
28	\$ 101,095	315 Other Accrued Liabilities	\$ 91,903	\$ (9,192)
29	\$ 190,966	Total Accrued Liabilities	\$ 235,205	\$ 44,238
30				
31		UNADJUSTED CREDITS		
32	\$ 73,227	316 Premium on Bonds (p. 205)	\$ 67,443	\$ (5,784)
33	\$ 6,470,057	317 Other Unadjusted Credits (p. 205)	\$ 9,642,946	\$ 3,172,889
34				
35	\$ 6,543,284	Total Unadjusted Credits	\$ 9,710,389	\$ 3,167,105
36				
37		RESERVES		
38	\$ -	318 Insurance and Casualty Reserve	\$ -	\$ -
39	\$ 11,758,726	319 Depreciation Reserve (p. 206)	\$ 12,619,838	\$ 861,112
40	\$ 5,069,879	320 Other Reserves	\$ 5,237,585	\$ 167,706
41	\$ 16,828,605	Total Reserves	\$ 17,857,423	\$ 1,028,818
42				
43		APPROPRIATED SURPLUS		
44	\$ -	321 Sinking Fund Reserves	\$ -	\$ -
45	\$ 12,427,792	323 Contributions for Extensions	\$ 12,396,231	\$ (31,561)
46	\$ 3,844,050	324 Surplus Invested in Plant	\$ 3,844,050	\$ -
47	\$ 16,271,842	Total Appropriated Surplus	\$ 16,240,281	\$ (31,561)
48				
49	\$ 4,893,980	400 Profit and Loss Balance (p. 301) +	\$ 5,405,497	\$ 511,517
50	\$ 21,165,822	Total Corporate Surplus +	\$ 21,645,778	\$ 479,956
51	\$ 70,682,825	GRAND TOTAL	\$ 74,684,825	\$ 4,002,000

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Annual Report of Aquarion Water Company of Massachusetts

Year ended December 31, 2011

PLANT INVESTMENT ACCOUNTS

Show for all items of plant, classified in accordance with the prescribed Uniform System of Accounts, the particulars called for by the column headings

Credits in column (d) for plant retired during the year should be fully explained in a footnote. Col. (e). "Adjustments made during the year, "should be interpreted to mean modifications of entries made in prior accounting periods. When any adjusting entry is made in Col. (e), the credit to the account should be shown in red; in case the amount is transferred to some other account in the same schedule, the debit amount should appear in the same column in black.

When the whole or any part of "Unfinished Construction" is transferred to the Plant accounts, the amounts transferred should appear in Col. (e) in red and the amounts debited should appear in Col. (c) in black.

Line No.	NAME OF ACCOUNT (a)	Balance at Beginning of Year (b)	Additions During Year (c)	Plant Retired During Year (d)	Adjustments During Year (e)	Balance at Close of Year (f)
1	INTANGIBLE PROPERTY					
2	Organization	82,595	-	-	-	82,595
3	Misc. Intangible Invest.	-	-	-	-	-
4	Total Intangible Property	82,595	-	-	-	82,595
5	TANGIBLE PROPERTY					
6	Land	243,845	-	-	-	243,845
7	Structures	15,479,212	193,860	(2,063)	-	15,671,009
8	Pumping Plant Equipment	1,297,633	85,114	(11,923)	-	1,370,824
9	Misc. Pumping Plant Equipment	175,578	3,259	-	-	178,836
10	Purification System	2,486,206	131,889	-	-	2,618,095
11	Trans'n and Dist'n Mains	28,526,781	910,246	(277,533)	-	29,159,494
12	Services	6,424,652	276,736	(109,357)	-	6,592,032
13	Consumers' Meters	1,828,432	227,618	-	-	2,056,050
14	Consumers' Meter Installation	672,540	-	-	-	672,540
15	Hydrants	439,869	30,326	(16,750)	-	453,445
16	Fire Cist'ns, Basins, Fount'ns	-	-	-	-	-
17	Water Rights	-	-	-	-	-
18	Other Trans'n & Dist'n Plant	752,387	7,788	-	-	760,174
19	Miscellaneous Expenditures	-	-	-	-	-
20	Total Plant Investment	58,327,134	1,866,836	(417,626)	-	59,776,344
21	GENERAL EQUIPMENT					
22	Office Equipment	489,785	23,272	-	-	513,057
23	Shop Equipment	293,154	15,548	-	-	308,702
24	Stores Equipment	34,622	43,511	-	-	78,133
25	Transportation Equipment	603,776	75,995	(130,342)	-	549,429
26	Laboratory Equipment	52,792	-	-	-	52,792
27	Miscellaneous Equipment	343,585	2,815	-	-	346,400
28	Total General Equipment	1,817,713	161,141	(130,342)	-	1,848,512
29	Unfinished Construction	118,104	1,955,663	-	(1,990,416)	83,351
30	Total Cost of All Property	60,345,546	3,983,640	(547,967)	(1,990,416)	61,790,801
31	Assesses Value of Real Estate	15,724,133	193,860	(2,063)	(1,076)	15,914,853
32	Assessed Value of Other Property	44,421,790	1,834,117	(545,904)	-	45,710,003
33	Total Assessed Value	60,145,923	2,027,977	(547,967)	(1,076)	61,624,857

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Annual Report of Aquarion Water Company of Massachusetts				Year ended December 31, 2011	
MISCELLANEOUS PHYSICAL PROPERTY					
Give particulars of all investments of the respondent in physical property not devoted to utility operation.					
Line No.	DESCRIPTION AND LOCATION OF MISCELLANEOUS PHYSICAL PROPERTY HELD AT END OF YEAR (a)	Book Value at End of Year (b)	Revenue for the Year (c)	Expense for the Year (d)	Not Revenue for the Year (e)
1	Easement Right-of-Way	\$1,401			\$1,401
2					
3					
4					
5	Totals	\$1,401			\$1,401
OTHER INVESTMENTS					
Give particulars of investments in stocks, bonds, etc., held by the respondent at end of year.					
(a)					
6	Investment in CoBank, ACB	\$0.00	\$1,000.00		\$1,000.00
7					
8					
9					
				Total	\$1,000.00
UNAMORTIZED DEBT DISCOUNT AND EXPENSE					
Give an analysis of the respondent's accodiscount and (or) expense on bonds, coupon or short term notes. If the account represents only the expenseincurred in connection with the issue, the word "Discount" should be erased. Entries in Col (d) should be consistant with the returns made on page 301, Schedules of Income and Profit and Loss.					
	NAME OF SECURITY (a)	Unextinguished Discount at Beginning of Year (b)	Discount on Bonds etc., Issued During Year (c)	Discount Written off During Year (d)	Unextinguished Discount at Close of Year (e)
10	General Mtg Bonds 7.71%	\$ 38,206		\$ 2,958	\$ 35,248
11	General Mtg Bonds 9.64%	\$ 23,632		\$ 2,148	\$ 21,484
12	MA Water Pollution Abatement Trust Loan - 0.0%	\$ 37,565		\$ 2,985	\$ 34,580
13	CoBank, ACB Swap 4.11%	\$ -	\$ 172,993	\$ 2,883	\$ 170,110
14					
15	TOTALS	\$ 99,403	\$ 172,993	\$ 10,975	\$ 261,421
OTHER UNADJUSTED DEBITS					
Give an analysis of the above-entitled account as of close of year, showing in detail each item or subaccount amounting \$500 or more. Items less than '500 may be combined in a single entry "Minor Items _____ in number, each less than \$500," giving the number of items thus combined.'					
	DESCRIPTION AND CHARACTER OF UNADJUSTED DEBITS	Balance at Beginning of Year (b)	Amount Added During Year (c)	Amount Written off During Year (d)	Balance at Close of Year (e)
16	Deferred Maintenance Exp	\$ 4,308	\$ -	\$ 2,843	\$ 1,465
17	Deferred Taxes	\$ 355,740	\$ 158	\$ -	\$ 355,898
18	Deferred Pension	\$ 862,157	\$ 277,915	\$ 138,976	\$ 1,001,097
19	Deferred FAS 106	\$ 879,930	\$ 126,415	\$ 179,205	\$ 827,140
20	Deferred Rate Proceedings	\$ 315,470	\$ 392,208	\$ 74,228	\$ 633,450
21	Deferred Perchlorate Costs	\$ 20,280	\$ -	\$ 3,863	\$ 16,417
22	Additional Security Costs	\$ 216,985	\$ -	\$ 41,330	\$ 175,654
23	FAS 158 Deferred Debits	\$ 3,397,268	\$ 2,810,060	\$ 65,740	\$ 6,141,588
24	Deferred Well Maintenance	\$ 32,961	\$ 50,241	\$ 11,939	\$ 71,263
25	Other Deferred Debits	\$ 65,526	\$ -	\$ 65,526	\$ -
26					
27					
28					
29					
30					
31					
32					
33					
34					
35	TOTALS	\$ 6,150,625	\$ 3,656,997	\$ 583,650	\$ 9,223,972

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Annual Report of Aquarion Water Company of Massachusetts

Year ended December 31, 2011

CAPITAL STOCK

Give particulars of the various issues of capital stock of the respondent, as called for in the following schedule. In stating the amount of Capital Stock authorized in Col. (d) show only the amount authorized by the regulatory body.

Line No.	Decription (a)			Number of Shares Authorized (b)	Par Value of One Share (c)	Amount of Capital Stock Authorized (d)		Amount Actually Out-standing at End of Year (e)	Total Premium At End of Year (f)
1	Capital Stock: Common			50,000	\$ 100		\$ 5,000,000	\$ 3,757,100	\$ 4,979,500
2	Preferred								
3	Employee								
4									
5		Totals					\$ 5,000,000	\$ 3,757,100	\$ 4,979,500

BONDS, COUPONS, AND LONG TERM DEBT

Give particulars of various issues of bond, coupons, and long term notes as called for in the following schedule, giving the names of any underlying issues that may have been assumed by the respondent. The total of col. (h) should be consistant with return made on page 301, Income Schedule (line 20).

NAME AND CHARACTER OF OBLIGATION		Date of Issue	Date of Maturity	Par Value Authorized	Par Value Actually Outstanding at End of Year	INTEREST PROVISIONS Rate Per Cent	Dates Due	Interest Accrued During Year Charged to Income	Interest Paid During Year
(a)		(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)
6	Mortgage Bonds:								
7	General Mortgage	11/93	6/23	\$ 7,000,000	\$ 7,000,000	7.71%	Jun/Dec	\$ 539,700	\$ 539,700
8	General Mortgage	12/91	9/21	\$ 1,400,000	\$ 1,400,000	9.64%	Mar/Sep	\$ 134,960	\$ 134,960
9	MA Water Pollution Abatement Trust Loan	03/03	08/23	\$ 2,233,001	\$ 2,233,001	0.00%	-	\$ -	\$ -
10	General Mortgage - swap loan	11/11	11/21	\$ 9,000,000	\$ 9,000,000	4.11%	Feb/May/Aug/Nov	\$ 53,430	\$ -
11	Total Bonds			\$ 19,633,001	\$ 19,633,001			\$ 728,090	\$ 674,660
12	Coupon and Long Term Notes:								
13									
14									
15									
16									
17	Total Coupon & Long Term Notes								
18		Grand Total					Totals	\$ 728,090	\$ 674,660

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Annual Report of Aquarion Water Company of Massachusetts						Year ended December 31, 2011
SUNDRY CURRENT LIABILITIES						
NOTES PAYABLE						
Line No.	Name of Creditor (a)	Date of Issue (b)	Date of Maturity (c)	How Secured (d)	Rate of Interst (e)	Amount (f)
1	Aquarion Company					\$ -
2						
3						
4						
5						
6						
7						
8					TOTAL	\$ -
PREMIUM ON BONDS						
Give an analysis of the respondent's accounts covering premium on bonds or other evidences of indebtedness. Entries in Col. (d) should be consistent with the returns made on page 301. Schedule of Income and Profit and Loss						
NAME OF SECURITY (a)		Unextinguished Premium at Beginning of Year (b)	Premium on Bonds Issued During Year (c)	Premium Written Off During Year (d)	Unextinguished Premium at End of Year (e)	
9	MWPAT Unamortized Premium				\$	67,443
10						
11						
12		TOTALS			\$	67,443
OTHER UNADJUSTED CREDITS						
Give the names in Col. (a) and indicate the character, in Col. (b) of the several subaccounts which appear as "Other Unadjusted Credits." For items less than \$1,000 a single entry may be made under the caption "Minor accounts..... in number, each less than \$1,000," stating the number						
NAME OF SUBACCOUNT (a)		Character of Subaccount (b)			Amount (c)	
13	Advances for Construction				\$	110,762
14	Deferred OPEB				\$	3,403,154
15	Deferred Pension				\$	5,810,146
16	Unrealized loss on swap				\$	318,884
17						
18						
19						
20						
21						
22						
23		Total			\$	9,642,946

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Annual Report of Aquarion Water Company of Massachusetts		Year Ended December 31, 2011
DEPRECIATION RESERVE		
Line No.	(a)	Amount (b)
1	Balance at beginning of year	\$ 11,758,726
2	Credits to Depreciation Reserve during year:	
3	Account 610-10 Depreciation	1,385,905
4	Other Accounts (Specify):	
5	Loss of Disposition of Assets	
6	Depreciation charged to contributed property schedule	
7	Depreciation on Asset Transferred	37,561
8	CHARGES DURING YEAR	\$ 1,423,466
9	Net Charges for Plant Retired:	
10	Book Cost of Plant Retired	547,967
11	Cost of Removal	18,221
12	Salvage (credit in red)	(3,834)
13	NET CHARGES DURING YEAR	\$ 562,354
14	Balance at end of year	\$ 12,619,838
BASIS OF DEPRECIATION CHARGES		
Give in detail the rules and rate by which the respondent determined the amount charged to operating expenses and other accounts, and credited to Depreciation Reserves. report also depreciation taken for the year for federal income tax purposes.		
15		
16		
17		
18		
19		
20		

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Annual Report of Aquarion Water Company of Massachusetts			Year ended December 31, 2011	
INCOME STATEMENT FOR THE YEAR				
Give the Income Account of the respondent for the year ended December 31, 2011 in accordance with the Uniform System of Accounts for Water Companies.				
Line No.	Acc't No.	Item (a)	Amount (b)	Comparison with Previous Year. (c)
1		OPERATING INCOME		
2	500	Operating Revenues (p. 302)	\$ 14,878,063	\$ (80,840)
3	600	Operating Expenses (p. 303)	\$ 11,498,210	\$ (49,206)
4		Net Operating Revenues	\$ 3,379,853	\$ (31,634)
5	550	Uncollectible Operating Revenues	\$ 18,218	\$ 8,231
6	551	Taxes (p. 303B)	\$ 1,628,614	\$ (57,810)
7		Net Operating Income	\$ 1,733,021	\$ 17,945
8		NON-OPERATING INCOME		
9	560	Mdse. and Jobbing Revenue*	\$ 38,942	\$ 15,479
10	561	Rent from Appliances	\$ -	\$ -
11	562	Miscellaneous Rent Income	\$ -	\$ -
12	563	Interest and Dividend Income	\$ -	\$ -
13	564	MWPAT Loan - Net Subsidy	\$ 446	\$ 2,197
14	565	MWPAT Amortization of Debt Premium	\$ 5,784	\$ -
15	566	Miscellaneous Non-operating Income	\$ 40,633	\$ 15,118
16		Total Non-operating Income	\$ 85,805	\$ 32,794
17		GROSS INCOME	\$ 1,818,826	\$ 50,739
18		DEDUCTIONS FROM GROSS INCOME		
19	575	Miscellaneous Rents	\$ -	\$ -
20	576	Interest on Bonds and Coupon Notes	\$ 953,489	\$ 30,631
21	577	Miscellaneous Interest Deductions	\$ -	\$ -
22	578	Amortization of Discount (p. 203)	\$ 10,975	\$ 2,883
23	579	Miscellaneous Deductions from Income	\$ 23,961	\$ 6,072
24		Total Deductions from Gross Income	\$ 988,425	\$ 39,586
24		Income Balance transferred to Profit and Loss	\$ 830,401	\$ 11,153
PROFIT AND LOSS STATEMENT				
Show hereunder the items of the Profit and Loss Account of the respondent, classified in accordance with the Uniform System of Accounts for Water Companies.				
Line No.	Acc't No.	Item (a)	Debits (b)	Credits (c)
26		CREDITS		
27	401	Credit Balance at Beginning of Fiscal Period (p.201)		\$ 4,893,980
28	402	Credit Balance transferred from Income Acct. (p.301)		\$ 830,401
29	403	Miscellaneous Credits, (transfer from paid-in-capital)		\$ -
30		DEBITS		
31	411	Debit Balance at Beginning of Fiscal Period (p.201)		
32	412	Debit Balance transferred from Income Acct. (p.301)		
33	413	Accumulated other comprehensive loss on swap	\$ 318,884	
34	414	Dividend Appropriation of Surplus (p.302)	\$ -	
35	415	Appropriations of Surplus for Depreciation (p.204)		
36	416	Dic'nt on Bonds Exting'd through Surplus (p.203)		
37	417	Other Deductions from Surplus for Depreciation (p.204)		
38	418	Appropriations of Surplus for Construction		
39		Balance carried Forward to Balance Sheet		\$ 318,884
		TOTALS		\$ 5,405,497
(Note) Explain below amounts entered as Other Deductions from Surplus or Miscellaneous Credits:				
*In case the Merchandising and Jobbing business shows a loss, the amount should appear in red.				

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Annual Report of Aquarion Water Company of Massachusetts			Year ended December 31, 2011	
OPERATING EXPENSES				
(For companies having average operating revenues of more than \$15,000.)				
State the operating expenses of the respondent for the year ended December 31, 2011classifying them in accordance with the Uniform System of Accounts.				
Line No.	Acc't No.	Item (a)	Amount (b)	Comparison with Previous Year. (c)
1		<u>SOURCE OF WATER SUPPLY EXPENSES</u>		
2	601-1	Maintenance of Water Supply Buildings and Fixtures	\$ 42,075	\$ 745
3	601-2	Maintenance of Surface Source of Supply Facilities	\$ -	\$ -
4	601-3	Maintenance of Ground Source of Water Supply	\$ 84,023	\$ 3,289
5		Total Source of Water Supply Expenses	\$ 126,098	\$ 4,034
6	602	Water Purchased for Resale	\$ 19,837	\$ (137,434)
7		<u>PUMPING EXPENSES</u>		
8	603-1	Pumping Labor	\$ 124,008	\$ 18,950
9	603-2	Boiler Fuel	\$ -	\$ -
10	603-3	Water for Steam	\$ -	\$ -
11	603-4	Electric Power Purchased	\$ 611,310	\$ (43,582)
12	603-5	Miscellaneous Pumping Station Supplies and Expenses	\$ 142,259	\$ 46,911
13	604-1	Maintenance Power Pumping Buildings and Fixtures	\$ 26,303	\$ 2,156
14	604-2	Maintenance of Pumping Equipment	\$ 103,286	\$ 12,804
15	604-3	Maintenance of Miscellaneous Pumping Plant Equipment	\$ -	\$ -
16		Total Pumping Expenses	\$ 1,007,166	\$ 37,239
17		<u>PURIFICATION EXPENSES</u>		
18	605-1	Purification Labor	\$ 229,983	\$ 16,264
19	605-2	Purification Supplies and Expenses	\$ 4,067,684	\$ 111,824
20	606-1	Maintenance of Purification Buildings and Fixtures	\$ 37,122	\$ 13,922
21	606-2	Maintenance of Purification Equipment	\$ 175,518	\$ 5,783
22		Total Purification Expenses	\$ 4,510,307	\$ 147,793
23		<u>TRANSMISSION AND DISTRIBUTION EXPENSES</u>		
24	607	Inspecting Customers' Installation	\$ 22,412	\$ 8,097
25	608	Miscellaneous Trans. and Dist. Supplies and Expenses	\$ 439,307	\$ 26,251
26	609-1	Maintenance of Trans. and Dist. Buildings and Fixtures	\$ 6,793	\$ (32,630)
27	609-2	Maintenance of Trans. and Dist. Mains	\$ 320,966	\$ 64,944
28	609-3	Maintenance of Storage, Reservoirs, Tanks and Standpipes	\$ 4,486	\$ 477
29	609-4	Maintenance of Services	\$ 178,674	\$ 6,404
30	609-5	Maintenance of Meters	\$ 80,021	\$ 11,547
31	609-6	Maintenance of Hydrants	\$ 8,166	\$ 3,007
32	609-7	Maintenance of Fountains and Troughs	\$ -	\$ -
33		Total Trans. and Dist. Expenses	\$ 1,060,825	\$ 88,097
34		<u>GENERAL AND MISCELLANEOUS EXPENSES</u>		
35	610-1	Salaries of General Officers and Clerks	\$ 480,561	\$ 23,562
36	610-2	General Office Supplies and Expenses	\$ 1,702,799	\$ (81,854)
37	610-3	Law Expense - General	\$ 164,606	\$ (37,006)
38	610-4	Insurance	\$ 864,235	\$ (66,436)
39	610-5	Accidents and Damages	\$ -	\$ -
40	610-6	Store Expenses	\$ -	\$ -
41	610-7	Transportation Expenses	\$ 36,077	\$ (710)
42	610-8	Inventory Adjustments	\$ -	\$ -
43	610-9	Maintenance of General Structures	\$ -	\$ -
44	610-10	Depreciation	\$ 1,181,822	\$ (108,259)
45	610-11	Miscellaneous General Expenses	\$ 343,877	\$ 81,768
46		Total General and Miscellaneous Expenses	\$ 4,773,977	\$ (188,935)
47		GRAND TOTAL OPERATING EXPENSES	\$ 11,498,210	\$ (49,206)

303B

Annual Report of Aquarion Water Company of Massachusetts				Year ended December 31, 2011	
OPERATING EXPENSES (CONT'D)					
(For companies having average operating revenues not exceeding \$15,000.)					
State the operating expenses of the respondent for the year ended December 31, 2011 classifying them in accordance with the Uniform System of Accounts.					
Line No.	Kind of Tax (a)	Federal	State	Municipal	Total
48	FIT	\$ 488,560			\$ 488,560
49	FICA	\$ 142,447			\$ 142,447
50	FUTA	\$ 1,280			\$ 1,280
51	Property Tax			\$ 899,156	\$ 899,156
52	SUTA		\$ 4,957		\$ 4,957
53	SIT		\$ 92,214		\$ 92,214
54	Other General Taxes			\$ -	\$ -
55					
56					
57					
58					
59					
60	TOTALS	\$ 632,287	\$ 97,171	\$ 899,156	\$ 1,628,614

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Annual report of Aquarion Water Company of Massachusetts					Year ended December 31, 2011	
Real Estate Information - Hingham						
1. Land owned by the Company						
	Location		Use			
A	Whiting Street, Accord Pond		Surface water supply, pump station, elevated tank			
B	South Pleasant Avenue Fulling Mill		Water Pump Station Distribution Tank			
C	Free Street		Well Stations			
D	Turkey Hill Lane		Standpipe			
E	Downing Street		Well Station			
F	Scotland Street		Well Station			
G	Prospect Street		Well Station			
	Area		When Bought		Cost	
A	43.53 Acres		1882, 85, 96, 97, 98, 1916		\$10,177	
B	117.04 Acres		1885, 1900, 02-06, 16, 23		\$29,092	
C	72.14 Acres		1942, 1951		\$3,763	
D	0.22 Acres		1963		\$4,766	
E	10.91 Acres		1965		\$14,579	
F	24.20 Acres		1955 - 1975		\$7,596	
G	9.22 Acres		1966 - 1970		\$83,384	
2. Buildings owned by the Company						
	Location		Use			
A	Fulling Mill Pond		Pump Station			
B	Fulling Mill Pond		Storehouse and Garage			
C	Accord Pond - Gravity & Pump		Outlet Structure and Pump Station			
D	Free Street #4		Pump Station			
E	Free Street #3		Pump Station			
F	Free Street #2		Filter Building And Garage, Pump Station			
G	Scotland Street		Pump Station			
H	Downing Street		Pump Station			
I	Prospect Street		Pump Station			
	Size	Material	When Built		Cost	
A	5755	Brick	1919, 20, 21, 62, 67, 68, 96			
B	800	Steel	1969			
C	1200	Brick	1995			
D	450	Brick	1942 - 1968			
E	258	Brick	1952			
F	2780	Brick & Block	1969-70			
G	326	Cement Block	1956			
H	340	Cement Block	1966			
I	360	Brick & Block	1971			

* By cost is meant the original cost of Installation, not the Book Value

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Annual report of Aquarion Water Company of Massachusetts			Year ended December 31, 2011	
Real Estate Information - Millbury				
1. Land owned by the Company				
	Location	Use		
A	Millbury Avenue	Location of Well & Pump Station		
B	Burbank Hill	Location of Reservoir		
C	Howe Avenue	Location Basins #1, #2 & #3		
D	Oak Pond Avenue	Oak Pond Pump Station		
E	North Main Street @ Jacques Curve	#1 & #2 North Main Street Pump Station		
F	Sutton Road	Location of Booster Station		
	Area	When Bought		Cost
A	3.00 Acres	1849		
B	3.00 Acres	1895		\$25,802
C	55.23 Acres	1895 - 1913		\$3,823
D	97,129 Square Feet	1957		\$4,106
E	20.39 Acres	1965		\$16,824
F	10,051 Square Feet	1994		\$12,000
	Location	Use		
A	Oak Pond Avenue	Pump Station		
B	North Main Street #2 Well	Pump Station		
C	North Main Street #1 Well	Pump Station		
D	34 Sutton Road	Booster Pump Station		
	Size	Material	When Built	Cost
A	19' x 16'	Concrete Block	1958	
B	20' x 17'	Concrete Block	1966	
C	20' x 17'	Concrete Block	1966 - 67	
D	17' x 22'	Brick & Concrete	1994	

* By cost is meant the original cost of Installation, not the Book Value

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Annual report of Aquarion Water Company of Massachusetts

Year ended December 31, 2011

Real Estate Information -Oxford

1. Land owned by the Company

	Location		Use	
A	Main St, Oxford, MA		Well & Pump station	
B	Prospect Hill, Oxford, MA		Right of way for standpipe	
C	Prospect Hill, Oxford, MA		Land adjacent to standpipe	
D	Off Holbrook Road- Oxford, Massachusetts		Land for standpipe	
E	From Old Depot Rd to Burbank St Oxford, Mass		Right of way pipeline to standpipe	

* By cost is meant the original cost of Installation, not the Book Value

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Annual report of Aquarion Water Company of Massachusetts			Year ended December 31, 2011
SUPPLY INFORMATION - Hingham			
1. Give a full and complete description of the sources from which water is obtained. State whether these sources are owned or leased by the Company. If they are leased, quote the terms of the lease. Give the date of the latest opinion of the Department of Public Health regarding each of these sources of supply.			
See attached Schedule			
2. Watersheds owned by the Company			
Location	Area	When Bought	Cost
A. Fulling Mill Pond B. Accord Pond	67.79 acres 40.916 acres	1902, 04, 06, 23 1882, 85-87	Included on page 400
Remarks:			
3. Give a full and complete description of any water supply rights that are owned by the company and state when they were bought and what was paid for them.			
Fulling Mill Pond - January 4, 1886 - \$2,000 Accord Pond - May 26, 1912 - \$1,500			
Water registration for withdrawal of water issued by Commonwealth of Massachusetts in 1988 and renewed in 1998 and 2008.			

(Item 1 Page 401)

Annual Report of Aquarion Water Company of Massachusetts

Year ended December 31, 2011

Give a full and complete description of the source or sources from which water is obtained. State whether these sources are owned or leased by the Company. If they are leased, quote the terms of the leases. Give the date of the latest opinion of the Department of Public Health regarding each of these sources of supply.

Water is obtained from Accord Pond, Fulling Mill Well and from several other wells.

Fulling Mill Well is owned by respondent. The right to withdraw water from all sources was registered under the Massachusetts Water Management Act of 1988.

Two satellite wells, Fulling Mill #1 & #2, both 18" diameter, #1 is 48' deep and #2 is 42' deep, were added at Fulling Mill

An 18" diameter well, 58' deep was constructed off Prospect Street in 1971. The well was approved by the Department of Public Health in 1970. A 24" diameter well, Free Street #2, 72' deep, was constructed off Free Street in 1951, the pump was installed in 1952.

A replacement well 18" in diameter and 80' deep for #2, Free St. #2A, was put into service in December 2007. An 18" diameter well, 45' deep, was constructed off Scotland Street in 1955. An 24" satellite well, Scotland St. #1A, 58' deep, was completed and put into service in May 2008. A 24" diameter well, 66' deep was constructed off Downing Street in 1965, pump installed in 1966, Free Street Well #3, 88' 8" deep, was constructed adjacent to Free Street Well #1 in 1967, the pump was installed in 1998. Testing and approval by the Department of Public Health was not required as this well was in same well field as Free Street Well #1. Free Street #1 has been abandoned since late in the 1960's; it has been filled and capped. The land around this well is leased for a 99 year term at no cost other than payment of real estate taxes. A 24" diameter well 86' deep, Free Street #4 was completed in December, 1982, and Department of Environmental approval was given in 2008. Free Street Well #5 is a 16" diameter well which was constructed in 2001 as a satellite well to Free Street Well #3. All sources are sampled in accordance with state and federal regulations. All sources are currently in compliance with those regulations.

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Annual report of Aquarion Water Company of Massachusetts			Year ended December 31, 2011
SUPPLY INFORMATION - Millbury			
<p>1. Give a full and complete description of the sources from which water is obtained. State whether these sources sre owned or leased by the Company. If they are leased, quote the terms of the lease. Give the date of the latest opinion of the Department of Public Health regarding each of these sources of supply.</p> <p>Water is supplies from four wells all owned by the Company. All are approved public drinking water sources according to Massachusetts DEP.</p>			
2. Watersheds owned by the Company			
Location	Area	When Bought	Cost
A. Parcel E & F - Howe Ave	8.50 acres	1909	Included on page 400
B. Parcel G, West of E & F - Howe Ave	29.29 acres	1910	
C. West of G - Howe Ave	3.18 acres	1913	
<p>Remarks:</p> <p>3. Give a full and complete description of any water supply rights that are owned by the company and state when they were bought and what was paid for them.</p> <p>Water registration for withdrawal of water issued by Commonwealth of Massachusetts in 1988 and renewed in 1998 and 2008.</p>			

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Annual report of Aquarion Water Company of Massachusetts			Year ended December 31, 2011
SUPPLY INFORMATION - Oxford			
<p>1. Give a full and complete description of the sources from which water is obtained. State whether these sources sre owned or leased by the Company. If they are leased, quote the terms of the lease. Give the date of the latest opinion of the Department of Public Health regarding each of these sources of supply.</p> <p>The responnent owns three gravel packed wells. All wells are approved for use as public water supply sources of the Massachusetts DEP.</p>			
2. Watersheds owned by the Company			
Location	Area	When Bought	Cost
A.			
B.			
C.			
D.			
<p>Remarks:</p> <p>3. Give a full and complete description of any water supply rights that are owned by the company and state when they were bought and what was paid for them.</p> <p>Water registration for withdrawal of water issued by Commonwealth of Massachusetts in 1988 and renewed in 1998 and 2008.</p>			

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Annual report of Aquarion Water Company of Massachusetts				Year ended December 31, 2011		
<p align="center">SUPPLY INFORMATION - Continued - Hingham</p>						
4. Wells						
Location	Inside Dimensions	Depth Below High Water	Covered or Uncovered	When Built	Cost	
A. Fulling Mill Well	40' x 19'	21' 8"	Covered	1903	Combined	
B. Free Street Well #2	24"	73"	Covered	1951		
C. Scotland Street Well	18"	45"	Covered	1955		
D. Dowing Street Well	24"	66' 6"	Covered	1966		
E. Free Street Well #3	18'	88' 6"	Covered	1967		
F. Prospect St. Well	18"	58'	Covered	1971		
G. Free Street Well #4	24"	86'	Covered	1982		
H. Free Street Well #5	16"	68'3"	Covered	2001		\$354,696
I. Free Street Well #2A	12"	80'	Covered	2007		\$318,339
J. Fulling Mill Well #1	12"	48'	Covered	2008		\$250,642
K. Fulling Mill Well #2	12"	42'	Covered	2008		\$222,268
L. Scotland St. Well #1A	18"	58'	Covered	2008		\$354,776
5. Give a full and complete description of the wells						
See attached sheet						
6. Reservoirs						
Location	Area at Surface When Full	Full Capacity in Gallons		When Built	Cost	
A. Accord Pond	100 Acres	247,000,000				
B. Fulling Mill Pond	14 acres	23,109,000				
C. Fulling Mill Basin	Undetermined					
7. Describe the reservoirs, stating to what extent they are artificial; to what extent their bottoms were cleaned before being put into service; to what extent their slopes and bottoms are paved; what provisions have been made for raising the water level and increasing the capacity; and give the character of construction of any dams.						
<p>Accord Pond is a natural lake. At natural outlet an embankment was built with concrete core walls. Fulling Mill is an artificial pond with an earth embankment with concrete core walls. Accord Pond provides water to the Hingham/Hull District Water Treatment Facility. The seven basins at Fulling Mill Pump Station are natural depressions from which trees have been cut. These basins feed into underground strata supplying the Fulling Mill Well. This source is then pumped to the Hingham/Hull District Water Treatment Facility for treatment.</p>						

Annual report of Aquarion Water Company of Massachusetts

Year Ended December 31, 2011

5. Give a full and complete description of the wells

- (A) Inside walls 6' from bottom are built of stone laid dry. From that point upwards, the wall is dome shaped made of concrete with suitable opening on top. The water from the well is pumped by the Fulling Mill Station.
- (B) Drilled in 1951, well pump installed in 1952. 30' of 24" stainless steel screen, 43' of 24" transite solid casing, gravel packed and concrete sealed. In 1995, replaced, well pump and redeveloped this well. The casing was lined with steel pipe in 1999. Redeveloped in 2005.
- (C) Drilled in 1955, well pump installed in 1956. 30' of solid steel casing, 15' of 24" stainless steel screen, gravel packed and concrete sealed. Redeveloped in 1978; casing reduced from 24" to 18" with 15' of 18" stainless steel screen. Redeveloped in 1987 and 1998.
- (D) Drilled in 1965, well pump installed in 1966. 55' of 6" of solid steel casing, 10' of 24" stainless steel screen, gravel packed and concrete sealed. Redeveloped in 1988.
- (E) Drilled in 1967, well pump installed in 1968. 78' of solid steel casing, 10' of 8" stainless steel screen, gravel packed and concrete sealed. Redeveloped in 1988.
- (F) Drilled well in 1971, well pump installed in 1998. 48' of solid steel casing, 10' of 18" stainless steel screen, gravel packed and concrete sealed.
- (G) Well drilled in 1981, pump installed in 1982. 66' of 24" solid steel casing, 20' of 24" variable slot stainless steel screen, gravel packed and concrete sealed. Redeveloped in 2003.
- (H) Well drilled in 2001 pump installed in July 2001. 80' of 16" steel casing, 15' of 10" stainless steel screen, gravel packed and concrete sealed.
- (I) Replacement/satellite well drilled in 2007 pump installed December 2007. 80' of 18" steel casing, 18' of 12" stainless steel screen, gravel packed. Includes a meter vault.
- (J) Replacement/satellite well drilled in 2008 pump installed June 2008. 48' of 18" steel casing, 8' of 12" stainless steel screen, gravel packed. Includes a meter vault.
- (K) Replacement/satellite well drilled in 2008 pump installed June 2008. 42' of 18" steel casing, 18' of 12" stainless steel screen, gravel packed. Includes a meter vault.
- (L) Replacement/satellite well drilled in 2008 pump installed May 2008. 42' of 24" steel casing, 12' of 18" stainless steel screen, gravel packed. Includes a meter vault.

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Annual report of Aquarion Water Company of Massachusetts				Year ended December 31, 2011	
SUPPLY INFORMATION - Continued - Millbury					
4. Wells					
Location	Inside Dimensions	Depth Below High Water	Covered or Uncovered	When Built	Cost
A. Millbury Avenue	25'	36'20"	Covered	1984	
B. Oak pond Avenue	24"	30'	Covered	1958	\$5,225
C. Jacques Well Station #2	24"	70'	Covered	1965	\$32,389
D. Jacques Well Station #1	24"	53'	Covered	1966	\$12,143
E. Jacques WTF	30' x 66 '		Covered	2005	\$1,517,819
F.					
5. Give a full and complete description of the wells					
6. Reserviors					
Location	Area at Surface When Full	Full Capacity in Gallons	When Built	Cost	
A.					
B.					
C.					
D.					
E.					
F.					
7. Describe the reservoirs, stating to what extent they are artificial; to what extent their bottons were cleaned before being put into service; to what extent their slopes and bottoms are paved; what provisions have been made for raising the water level and increas- ing the capacity; and give the character of construction of any dams.					

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Annual report of Aquarion Water Company of Massachusetts				Year ended December 31, 2011	
SUPPLY INFORMATION - Continued - Oxford					
4. Wells					
Location	Inside Dimensions	Depth Below High Water	Covered or Uncovered	When Built	Cost
A. Oxford, MA	24"	65'	Covered	1950-59	\$53,994
B. Oxford, MA	24"	67'	Covered	1950-59	\$50,128
C. Oxford, MA	24"	66'	Covered	1961	\$20,383
D. Oxford, MA	12"	66'	Covered	2007	\$271,053
E.					
F.					
5. Give a full and complete description of the wells					
Three 24" diameter gravel packed wells, one with tansite casting and two stainless steel castings.					
6. Reservoirs					
Location	Area at Surface When Full	Full Capacity in Gallons		When Built	Cost
A.					
B.					
C.					
D.					
E.					
F.					
7. Describe the reservoirs, stating to what extent they are artificial; to what extent their bottons were cleaned before being put into service; to what extent their slopes and bottoms are paved; what provisions have been made for raising the water level and increas- ing the capacity; and give the character of construction of any dams.					

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Annual report of Aquarion Water Company of Massachusetts

Year ended December 31, 2011

Pumping Information - Hingham

1. Give a general description of the method employed for delivering the water to the company, stating whether gravity is utilized or not; whether the company owns a pumping station or not; and giving all other pertinent information.

Respondent owns twelve wells/ pump stations. Water is pumped from Fulling Mill Station, Fulling Mill Well #1, Fulling Mill Well #2, Free St. Well #2, Free St. Well #2A, Free St. Well #3 & #5, Free St. Well #4, Scotland St. Well, Scotland St. #1A, Prospect St.,, and Accord Pond to the Hingham/Hull District Water Treatment Facility for treatment. Water from the Downing St. Well is pumped directly to the distribution system after treatment. An abandoned booster station in Hull, MA was refurbished and placed in service in 1998.

2. BOILER

This schedule not presently used

3. CHIMNEYS

This schedule not presently used

4. PUMPING ENGINES, STEAM- ACTUATED

This schedule not presently used

5. PUMPS, DRIVEN BY CONNECTED POWER

LOCATION		TYPE	NAME OF BUILDER	WHEN INSTALLED	COST
A	Fulling Mill #1	Hor Cent	Fairbanks-Morse	1996	*
B	Fulling Mill #2	Hor Cent	Fairbanks-Morse	1996	*
C	Free Street Well #2	Vert Turb	Bryon Jackson	1985	*
D	Scotland Street Well	Vert Turb	Goulds	1998	*
E	Downing Street Well	Vert Turb	Bryon Jackson	1966	*
F	Free Street Well #3	Vert Turb	Goulds	1998	*
G	Prospect Street Well	Vert Turb	Goulds	1998	*
H	Free Street Well #4	Submersible	Goulds	2003	*
I	Beacon Road Booster	Hor Cent	Hayes	1998	*
J	Accord #3	Hor Cent	Fairbanks-Morse	1996	*
K	Accord #4	Hor Cent	Fairbanks-Morse	1996	*
L	Accord #5	Hor Cent	Fairbanks-Morse	1996	*
M	Beacon Road, Hull	Hor Cent	Aurora	1998	*
N	Free Street #5	Submersible	Goulds	2001	*
O	Free Street #2A	Submersible	Goulds	2007	*
P	Fulling Mill Well #1	Submersible	Goulds	2008	*
Q	Fulling Mill Well #2	Submersible	Goulds	2008	*
R	Scotland St. Well #1A	Submersible	Goulds	2008	*
S	Baker Hill Booster #1	Hor Cent	Aurora	2006	*
T	Baker Hill Booster #2	Hor Cent	Aurora	2006	*
U	Baker Hill Booster #3	Hor Cent	Aurora	2006	*
V	Baker Hill Booster #4	Hor Cent	Aurora	2006	*
W	Baker Hill Booster #5	Hor Cent	Aurora	2006	*

	NUMBER OF CYLS.	SINGLE OR DOUBLE ACTING	RATED STROKES PER MINUTE	LENGTH OF STROKE**	DIAM. OF PISTONS OR PLUNGERS	HOW DRIVEN	DISPLACEMENT PER 24 HOURS
A		Double Suction	1,180 RPM	5"	N/A	Electric	1,440,000
B		Double Suction	1,180 RPM	5"	N/A	Electric	1,440,000
C		3 stage	1,770 RPM	13" Disc	N/A	Electric	2,880,000
D		1 stage	1,770 RPM	8"	N/A	Electric/Gas	1,440,000
E		7 stage	1,750 RPM	6"	N/A	Electric/Gas	829,440
F		7 stage	1,770 RPM	5"	N/A	Electric/Gas	518,400
G		1 stage	1,770 RPM	6"	N/A	Electric	622,080
H		2 stage	3,600 RPM	8"	N/A	Electric	1,440,000
I		1 stage	3,600 RPM	4"	N/A	Electric	792,000
J		2 stage	1,770 RPM	6"	N/A	Electric	2,016,000
K		2 stage	1,185 RPM	5"	N/A	Electric	1,008,000
L		2 stage	1,185 RPM	6"	N/A	Electric	2,016,000
M		1 stage	1,800 RPM	6"	N/A	Electric	1,008,000
N		1 stage	3,450 RPM	4"	N/A	Electric	414,720
O		3 stage	3,600 RPM	12"	N/A	Electric	2,880,000
P		2 stage	3,600 RPM	12"	N/A	Electric	2,880,000
Q		2 stage	3,600 RPM	12"	N/A	Electric	2,880,000
R		1 stage	3,600 RPM	12"	N/A	Electric	2,880,000
S		1 stage	3,500 RPM	2"	N/A	Electric	86,400
T		1 stage	3,500 RPM	2"	N/A	Electric	86,400
U		1 stage	3,500 RPM	3"	N/A	Electric	216,000
V		1 stage	3,500 RPM	3"	N/A	Electric	216,000
W		1 stage	1,800 RPM	8"	N/A	Electric	1,728,000

* Cost of pump separately unavailable

**Diameter of impeller

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Annual report of Aquarion Water Company of Massachusetts					Year ended December 31, 2011		
Pumping Information - Millbury							
1. Give a general description of the method employed for delivering the water to the company, stating whether gravity is utilized or not; whether the company owns a pumping station or not; and giving all other pertinent information.							
Water is supplied from four wells all owned by the company. All are approved public drinking water sources according to the Massachusetts DEP.							
2. BOILER							
This schedule not presently used							
3. CHIMNEYS							
This schedule not presently used							
4. PUMPING ENGINES, STEAM- ACTUATED							
This schedule not presently used							
5. PUMPS, DRIVEN BY CONNECTED POWER							
	LOCATION			TYPE	NAME OF BUILDER	WHEN INSTALLED	COST
A	Millbury Avenue			Turbine	Floway	2003	
B	Millbury Avenue			Turbine	Floway	2003	
C	Millbury Avenue			Turbine	Floway	2003	
D	Millbury Avenue			Turbine	Floway	2003	
E	Oak Pond			Turbine	Goulds	2008	
F	North Main Street Well #2			Turbine	Goulds	2004	
G	North Main Street Well #1			Turbine	Goulds	2004	
H	Sutton Road Booster			Cent	EFI	1993	
I	Millbury Avenue			Turbine	Floway	2003	
J	Millbury Avenue			Turbine	Floway	2003	
K	Brierly Pond			Cent	PENTAIR	2003	
L	Brierly Pond			Cent	PENTAIR	2003	
M	Brierly Pond			Cent	PENTAIR	2003	
N	Brierly Pond			Cent	PENTAIR	2003	
O	Brierly Pond			Cent	PENTAIR	2003	
	NUMBER OF CYLS.	SINGLE OR DOUBLE ACTING	RATED STROKES PER MINUTE	LENGTH OF STROKE	DIAM. OF PISTINS OR PLUNGERS	HOW DRIVEN	DISPLACEMENT PER 24 HOURS
A			1,790 RPM	Turbine		Electric Motor	1,296,000
B			1,790 RPM	Turbine		Electric Motor	1,296,000
C			1,790 RPM	Turbine		Electric Motor	1,296,000
D			1,180 RPM	Turbine		Electric Motor	1,296,000
E			1,760 RPM	Turbine		Electric Motor	864,000
F			1,760 RPM	Turbine		Electric Motor	457,920
G			1,750 RPM	Turbine		Electric Motor	835,200
H			3,450 RPM	Cent		Electric Motor	864,000
I			1,785 RPM	Turbine		Electric Motor	1,584,000
J			1,785 RPM	Turbine		Electric Motor	1,584,000
K			3,500 RPM	Cent		Electric Motor	1,440,000
L			1,750 RPM	Cent		Electric Motor	172,800
M			1,750 RPM	Cent		Electric Motor	172,800
N			3,500 RPM	Cent		Electric Motor	86,400
O			3,500 RPM	Cent		Electric Motor	86,400

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Annual report of Aquarion Water Company of Massachusetts						Year ended December 31, 2011	
Pumping Information - Oxford							
1. Give a general description of the method employed for delivering the water to the company, stating whether gravity is utilized or not; whether the company owns a pumping station or not; and giving all other pertinent information.							
Water is pumped from company owned pump stations into distribution system containing a standpipe which floats on the system.							
2. BOILER							
This schedule not presently used							
3. CHIMNEYS							
This schedule not presently used							
4. PUMPING ENGINES, STEAM- ACTUATED							
This schedule not presently used							
5. PUMPS, DRIVEN BY CONNECTED POWER							
	LOCATION			TYPE	NAME OF BUILDER	WHEN INSTALLED	COST
A	North Main Street #1			Turbine	Bryon Jackson	1959	
B	North Main Street #2			Turbine	Deming	1959	
C	Nelson Street #3			Turbine	Goulds	2005	
D	Sutton Ave. Booster			Turbine	G & L Goulds	1999	
E	Sutton Ave. Booster			Turbine	G & L Goulds	1999	
F	North Main Street #1A			Submersible	Goulds	2007	
G							
H							
I							
J							
	NUMBER OF CYLS.	SINGLE OR DOUBLE ACTING	RATED STROKES PER MINUTE	LENGTH OF STROKE	DIAM. OF PISTINS OR PLUNGERS	HOW DRIVEN	DISPLACEMENT PER 24 HOURS
A		Turbine	1,750 RPM			LP. Gen	432,000
B		Turbine	1,750 RPM			LP. Gen	576,000
C		Turbine	1,750 RPM			Kohler L.P. Gen	1,152,000
D		Turbine	3,500 RPM			Electric Motor	72,000
E		Turbine	3,500 RPM			Electric Motor	72,000
F		Submersible	3,500 RPM			Electric Motor	432,000
G							
H							
I							
J							

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Annual report of Aquarion Water Company of Massachusetts

Year ended December 31, 2011

Pumping Information - Continued Hingham

6. Gas Producers

This schedule not presently used

7. Internal combustion engines.

Location			Name of Builder	When Installed	Type of Drive	Cost
A	Scotland Street		Continental	1956	Gear Dr	*
B	Downing Street		Continental	1966	Gear Dr	*
C	Free Street Well #3		Allis Chalmers	1968 1969	Gear Dr	*

				Dimensions of Cylinders			
	For Gas, Gasoline or Oil	Number of Cyls.	Single or Double Acting	Diameter	Stroke	2 or 4 Stroke Cycle	Rated H.P.
A	L.P. Gas	6	Single	4	4 13/16	4	75
B	Natural Gas	6	Single	3 5/16	4 3/8	4	46 1/2
C	Natural Gas	6	Single	3 7/8	4 1/2	4	64

8. ELECTRIC MOTORS, INCLUDING COST OF WIRING SWITCHCES

	Location	Name of Builder	When Installed	Cost
A	Fulling Mill #1	U.S. Electric	1996	*
B	Fulling Mill #2	U.S. Electric	1996	*
C	Free Street Well #2	U.S. Electric	1952	*
D	Scotland Street Well	U.S. Motors	1998	*
E	Downing Street Well	U.S. Electric	1966	*
F	Free Street Well #3	U.S. Electric	1998	*
G	Free Street Well #2	General Electric	1969	*
H	Prospect Street	U.S. Electric	1998	*
I	Free Street Well #4	U.S. Electric	1968	*
J	Accord #3	U.S. Electric	1996	*
K	Accord #4	U.S. Electric	1996	*
L	Accord #5	U.S. Electric	1996	*
M	Beacon Road, Hull	U.S. Motor	1998	*
N	Free Street Well #5	Franklin	2001	*
O	Free Street Well#2A	Centripro	2007	*
P	Fulling Mill Well#1	Centripro	2008	*
Q	Fulling Mill Well #2	Centripro	2008	*
R	Scotland Street #1A	Centripro	2008	*
S	Baker Hill Booster #1	Aurora	2006	*
T	Baker Hill Booster #2	Aurora	2006	*
U	Baker Hill Booster #3	Aurora	2006	*
V	Baker Hill Booster #4	Aurora	2006	*
W	Baker Hill Booster #5	Aurora	2006	*

	A.C. or D.C. if A.C. Give Phase	Volts	Type of Drive	Rated H.P.
A	A.C. 3 Phase	460	Direct	15
B	A.C. 3 Phase	460	Direct	15
C	A.C. 3 Phase	480	Direct	100
D	A.C. 3 Phase	220/440	Direct	25
E	A.C. 3 Phase	220/440	Direct	40
F	A.C. 3 Phase	230/460	Direct	60
G	A.C. 3 Phase	460	Direct	25
H	A.C. 3 Phase	230/460	Direct	20
I	A.C. 3 Phase	460	Direct	25
J	A.C. 3 Phase	460	Direct	40
K	A.C. 3 Phase	460	Direct	50
L	A.C. 3 Phase	460	Direct	75
M	A.C. 3 Phase	240	Direct	20
N	A.C. 3 Phase	460	Direct	5
O	A.C. 3 Phase	460	Direct	175
P	A.C. 3 Phase	460	Direct	15
Q	A.C. 3 Phase	460	Direct	15
R	A.C. 3 Phase	460	Direct	20
S	A.C. 3 Phase	480	Direct	5
T	A.C. 3 Phase	480	Direct	5
U	A.C. 3 Phase	480	Direct	8
V	A.C. 3 Phase	480	Direct	8
W	A.C. 3 Phase	480	Direct	50

Total Horse Power

815

* Cost of motor separately unavailable

This schedule not presently used

Total Horse Power	350
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[illegible]

6. Gas Producers

This schedule not presently used

7. Internal combustion engines.

	Location		Name of Builder		When Installed	Type of Drive	Cost
A	#1 North Main Street		Cummings		1993	Generator	
B	#2 North Main Street		Cummings		1993	Generator	
C	#3 Nelson Street		Koehler		2005	Generator	
D	Sutton Ave.		Koehler		2000	Generator	
	For Gas, Gasoline or Oil	Number of Cyls.	Single or Double Acting	Dimensions of Cylinders		2 or 4 Stroke Cycle	Rated H.P.
A	L.P. Gas	6	Double	Diameter	Stroke		
				5 1/4	15-24 centimeter	4	175
B	L.P. Gas	6	Double	5 1/4	15-24 centimeter	4	175
C	L.P. Gas	8	Single	4	4 3/8	4	125
D	L.P. Gas	6	Single	4	3.98	4	82

8. ELECTRIC MOTORS, INCLUDING COST OF WIRING SWITCHCES	
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	Location	Name of Builder	When Installed	Cost
A	#1 North Main Street	U.S. Motors	1990	
B	#2 North Main Street	U.S. Motors	1990	
C	#3 Nelson Street	U.S. Motors	2005	
D	Sutton Ave. Booster	Baldor	1999	
E	#1A North Main Street	Franklin	2007	
F				
G				
H				
	A.C. or D.C. if A.C. Give Phase	Volts	Type of Drive	Rated H.P.
A	A.C. 3 Phase	575	Direct	60
B	A.C. 3 Phase	575	Direct	60
C	A.C. 3 Phase	480	Direct	100
D	A.C. 3 Phase	230/460	Direct	5
E	A.C. 3 Phase	575	Direct	60
F				
G				
H				

Total Horse Power	285
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Annual report of Aquarion Water Company of Massachusetts					Year ended December 31, 2011	
Pumping Information - Continued. - Hingham						
9. Water Wheels and Turbines						
	Location			Name of Builder	When Installed	Cost
A. B. C. D.	NONE					
	Type of Machine	Diam. of Runner	Working Head	Speed	Type of Driver	Rated H.P.
A. B. C. D.						
10. Give a full and complete description of any water power rights that are owned by the Company, and say when they were bought and what was paid for them						

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Annual report of Aquarion Water Company of Massachusetts					Year ended December 31, 2011	
Pumping Information - Continued. - Millbury						
9. Water Wheels and Turbines						
	Location			Name of Builder	When Installed	Cost
A. B. C. D.	NONE					
	Type of Machine	Diam. of Runner	Working Head	Speed	Type of Driver	Rated H.P.
A. B. C. D.						
10. Give a full and complete description of any water power rights that are owned by the Company, and say when they were bought and what was paid for them						

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Annual report of Aquarion Water Company of Massachusetts					Year ended December 31, 2011	
Pumping Information - Continued. - Oxford						
9. Water Wheels and Turbines						
	Location			Name of Builder	When Installed	Cost
A. B. C. D.	NONE					
	Type of Machine	Diam. of Runner	Working Head	Speed	Type of Driver	Rated H.P.
A. B. C. D.						
10. Give a full and complete description of any water power rights that are owned by the Company, and say when they were bought and what was paid for them						

407 Hingham							
Annual report of Aquarion Water Company of Massachusetts						Year ended December 31, 2011	
Pumping Information - Continued Hingham							
11. Station log System Delivery Summary - Hingham/Hull District Water Treatment Facility Only							
Year and Month 2011	Kwhrs Used	Pounds of coal Burned	Million Gallons of Water Pumped	Hours of Pumping		Average Total Static Head	Average Total Dynamic Head
January	155,400		86.088	744			
February	155,400		79.588	672			
March	103,950		85.591	744			
April	123,200		83.908	720			
May	168,700		103.094	744			
June	167,300		122.268	720			
July	215,950		150.006	744			
August	189,700		118.871	744			
September	182,000		98.418	720			
October	146,650		89.467	744			
November	148,400		80.813	720			
December	141,050		81.839	744			
Totals	1,897,700	0	1,179.951	8,760	0	0	0
12. Based upon the displacement of _____ gallons per revolution with _____ per cent allowance for slip _____							
13. Average gallons per day _____ 3.233 MG (365 days)							
14. Maximum gallons pumped in a day _____ 5.601 MG							
15. Date of same, _____ 22-Jul-11							
16. Range of pressure in main _____ 45-95 psi							
17. Average pressure in main _____ 82 psi							

408	System Delivery Summary - Hingham/Hull District Water Treatment Facility Only	
Annual report of Aquarion Water Company of Massachusetts		Year ended December 31, 2011
Pumping Information - Continued Hingham		
18. Kind of coal _____		
19. Average price per net ton, delivered _____		
20. Average price of wood per cord, delivered _____		
21. Average price per gas per M. cubic feet _____		
22. Average price per gasoline per gallon, delivered _____		
23. Average price of fuel oil per gallon, delivered _____		
24. Average price of electric power per Kwhr \$ 0.14500		
25. Wood consumed durind the year _____		
26. Gas consumed during the year _____		
27. Gasoline consumed during the year _____		
28. Fuel oil consumed during the year _____		
29. Electric Power used during the year 1,897,700 Kwhrs		

Pumping Information - Continued Hingham

11. Station log

Accord Pond to Water Treatment Facility

Year and Month 2011	Kwhrs Used	Pounds of coal Burned	Million Gallons of Water Pumped	Hours of Pumping		Average Total Static Head	Average Total Dynamic Head
January	7,554		22.737	744			
February	6,752		20.081	672			
March	3,868		17.777	744			
April	3,971		21.752	720			
May	3,643		30.829	744			
June	5,554		35.928	720			
July	8,255		45.602	744			
August	7,064		37.868	744			
September	4,804		11.373	552			
October	4,261		31.905	744			
November	3,736		22.497	720			
December	4,388		23.923	744			
Totals	63,850	0	322.272	8,592	0	0	

12. Based upon the displacement of _____ gallons per revolution with _____ per cent allowance for slip _____

13. Average gallons per day	0.883 MG (365 days)
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14. Maximum gallons pumped in a day	3.07 MG
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15. Date of same,	5-Jul-11
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16. Range of pressure in main	5-10 ps
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17. Average pressure in main 10 ps

408	Accord Pond to Water Treatment Facility	
Annual report of Aquarion Water Company of Massachusetts		Year ended December 31, 2011
Pumping Information - Continued Hingham		
18. Kind of coal		
19. Average price per net ton, delivered		
20. Average price of wood per cord, delivered		
21. Average price per gas per M. cubic feet		
22. Average price per gasoline per gallon, delivered		
23. Average price of fuel oil per gallon, delivered		
24. Average price of electric power per Kwhr	\$	0.1540
25. Wood consumed durind the year		
26. Gas consumed during the year		
27. Gasoline consumed during the year		
28. Fuel oil consumed during the year		
29. Electric Power used during the year	63,850 Kwhrs	

408	Fulling Mill Well 1 to Water Treatment Facility		
Annual report of Aquarion Water Company of Massachusetts		Year ended December 31, 2011	
Pumping Information - Continued Hingham			
18. Kind of coal	_____		
19. Average price per net ton, delivered	_____		
20. Average price of wood per cord, delivered	_____		
21. Average price per gas per M. cubic feet	_____		
22. Average price per gasoline per gallon, delivered	_____		
23. Average price of fuel oil per gallon, delivered	_____		
24. Average price of electric power per Kwhr	\$	0.1420	
25. Wood consumed durind the year	_____		
26. Gas consumed during the year	_____		
27. Gasoline consumed during the year	_____		
28. Fuel oil consumed during the year	_____		
29. Electric Power used during the year	240,188 Kwhrs		

407							
Annual report of Aquarion Water Company of Massachusetts					Year ended December 31, 2011		
Pumping Information - Continued Hingham							
11. Station log Fulling Mill Well 2 to Water Treatment Facility							
Year and Month 2011	Kwhrs Used	Pounds of coal Burned	Million Gallons of Water Pumped	Hours of Pumping		Average Total Static Head	Average Total Dynamic Head
January			13.619	744			
February			11.527	672			
March			8.914	550			
April			15.471	600			
May			12.411	744			
June			10.621	681			
July			9.770	744			
August			9.666	744			
September			9.508	689			
October			9.461	744			
November			10.079	720			
December			10.083	731			
Totals	0	0	131.130	8,363	0	0	0
12. Based upon the displacement of _____ gallons per revolution with _____ per cent allowance for slip _____							
13. Average gallons per day 0.359 MG (365 days)							
14. Maximum gallons pumped in a day 0.64 MG							
15. Date of same, 15-Apr-11							
16. Range of pressure in main 35-45 psi							
17. Average pressure in main 40 psi							

408	Fulling Mill Well 2 to Water Treatment Facility	
Annual report of Aquarion Water Company of Massachusetts		Year ended December 31, 2011
Pumping Information - Continued Hingham		
18. Kind of coal	_____	
19. Average price per net ton, delivered	_____	
20. Average price of wood per cord, delivered	_____	
21. Average price per gas per M. cubic feet	_____	
22. Average price per gasoline per gallon, delivered	_____	
23. Average price of fuel oil per gallon, delivered	_____	
24. Average price of electric power per Kwhr	see Fulling Mill 1 meter	
25. Wood consumed durind the year	_____	
26. Gas consumed during the year	_____	
27. Gasoline consumed during the year	_____	
28. Fuel oil consumed during the year	_____	
29. Electric Power used during the year	see Fulling Mill 1 meter	

407							
Annual report of Aquarion Water Company of Massachusetts					Year ended December 31, 2011		
Pumping Information - Continued Hingham							
11. Station log Scotland St to Water Treatment Facility							
Year and Month 2011	Kwhrs Used	Pounds of coal Burned	Million Gallons of Water Pumped	Hours of Pumping		Average Total Static Head	Average Total Dynamic Head
January	10,139		14.369	599			
February	8,131		11.886	495			
March	8,190		14.989	625			
April	5,186		4.449	185			
May	3,860		10.643	443			
June	8,661		16.379	682			
July	10,240		15.055	627			
August	4,869		8.965	374			
September	4,517		9.349	390			
October	2,000		8.199	342			
November	2,677		5.852	244			
December	4,510		5.696	237			
Totals	72,980	0	125.831	5,243	0	0	0
12. Based upon the displacement of _____ gallons per revolution with _____ per cent allowance for slip _____							
13. Average gallons per day _____ 0.345 MG (365 days)							
14. Maximum gallons pumped in a day _____ 0.79 MG							
15. Date of same, _____ 20-Feb-11							
16. Range of pressure in main _____ 5-10 psi							
17. Average pressure in main _____ 8 psi							

408	Scotland St to Water Treatment Facility	
Annual report of Aquarion Water Company of Massachusetts		Year ended December 31, 2011
Pumping Information - Continued Hingham		
18. Kind of coal		
19. Average price per net ton, delivered		
20. Average price of wood per cord, delivered		
21. Average price per gas per M. cubic feet		
22. Average price per gasoline per gallon, delivered		
23. Average price of fuel oil per gallon, delivered		
24. Average price of electric power per Kwhr	\$	0.1530
25. Wood consumed durind the year		
26. Gas consumed during the year		
27. Gasoline consumed during the year		
28. Fuel oil consumed during the year		
29. Electric Power used during the year	72,980 Kwhrs	

407							
Annual report of Aquarion Water Company of Massachusetts					Year ended December 31, 2011		
Pumping Information - Continued Hingham							
11. Station log Downing Street Well							
Year and Month 2011	Kwhrs Used	Pounds of coal Burned	Million Gallons of Water Pumped	Hours of Pumping		Average Total Static Head	Average Total Dynamic Head
January	3,484		0.000	0			
February	3,336		0.000	0			
March	1,501		0.000	0			
April	2,404		0.000	0			
May	392		0.000	0			
June	349		0.000	0			
July	1,368		0.811	60			
August	1,486		0.000	0			
September	141		0.000	0			
October	119		0.000	0			
November	130		0.000	0			
December	172		0.000	0			
Totals	14,882	0	0.811	60	0	0	0
12. Based upon the displacement of _____ gallons per revolution with _____ per cent allowance for slip _____							
13. Average gallons per day _____ 0.002 MG (365 days)							
14. Maximum gallons pumped in a day _____ 0.29 MG							
15. Date of same, _____ 24-Jul-11							
16. Range of pressure in main _____ 80-95 psi							
17. Average pressure in main _____ 82 psi							

408	Downing Street Well	
Annual report of Aquarion Water Company of Massachusetts		Year ended December 31, 2011
Pumping Information - Continued Hingham		
18. Kind of coal	_____	
19. Average price per net ton, delivered	_____	
20. Average price of wood per cord, delivered	_____	
21. Average price per gas per M. cubic feet	_____	
22. Average price per gasoline per gallon, delivered	_____	
23. Average price of fuel oil per gallon, delivered	_____	
24. Average price of electric power per Kwhr	\$	0.1590
25. Wood consumed durind the year	_____	
26. Gas consumed during the year	_____	
27. Gasoline consumed during the year	_____	
28. Fuel oil consumed during the year	_____	
29. Electric Power used during the year	14,882 Kwhrs	

407							
Annual report of Aquarion Water Company of Massachusetts					Year ended December 31, 2011		
Pumping Information - Continued Hingham							
11. Station log Prospect Street to Water Treatment Facility							
Year and Month 2011	Kwhrs Used	Pounds of coal Burned	Million Gallons of Water Pumped	Hours of Pumping		Average Total Static Head	Average Total Dynamic Head
January	5,436		9.009	744			
February	1,838		8.026	669			
March	6,373		9.518	744			
April	3,860		9.720	720			
May	4,151		9.379	744			
June	3,260		8.033	669			
July	3,235		6.935	578			
August	2,976		5.719	477			
September	2,456		6.382	532			
October	1,554		4.644	387			
November	1,548		3.350	279			
December	2,257		5.297	441			
Totals	38,944		86.012	6,984	0	0	0
12. Based upon the displacement of _____ gallons per revolution with _____ per cent allowance for slip _____							
13. Average gallons per day				0.236 MG (365 days)			
14. Maximum gallons pumped in a day				0.35 MG			
15. Date of same,				6-Nov-11			
16. Range of pressure in main				5-10 psi			
17. Average pressure in main				10 psi			

408	Prospect Street to Water Treatment Facility	
Annual report of Aquarion Water Company of Massachusetts		Year ended December 31, 2011
Pumping Information - Continued Hingham		
18. Kind of coal		
19. Average price per net ton, delivered		
20. Average price of wood per cord, delivered		
21. Average price per gas per M. cubic feet		
22. Average price per gasoline per gallon, delivered		
23. Average price of fuel oil per gallon, delivered		
24. Average price of electric power per Kwhr	\$	0.1630
25. Wood consumed durind the year		
26. Gas consumed during the year		
27. Gasoline consumed during the year		
28. Fuel oil consumed during the year		
29. Electric Power used during the year		38,944 Kwhrs

408	Free Street #2 to Water Treatment Facility	
Annual report of Aquarion Water Company of Massachusetts		Year ended December 31, 2011
Pumping Information - Continued Hingham		
18. Kind of coal		
19. Average price per net ton, delivered		
20. Average price of wood per cord, delivered		
21. Average price per gas per M. cubic feet		
22. Average price per gasoline per gallon, delivered		
23. Average price of fuel oil per gallon, delivered		
24. Average price of electric power per Kwhr	N/A	
25. Wood consumed durind the year		
26. Gas consumed during the year		
27. Gasoline consumed during the year		
28. Fuel oil consumed during the year		
29. Electric Power used during the year	0 Kwhrs	

407							
Annual report of Aquarion Water Company of Massachusetts					Year ended December 31, 2011		
Pumping Information - Continued Hingham							
11. Station log Free Street #3 & #5 to Water Treatment Facility							
Year and Month 2011	Kwhrs Used	Pounds of coal Burned	Million Gallons of Water Pumped	Hours of Pumping		Average Total Static Head	Average Total Dynamic Head
January	52,920		0.000	0			
February	21,720		0.000	0			
March	50,600		0.000	0			
April	23,840		0.003	2			
May	24,280		0.000	0			
June	29,600		0.011	28			
July	44,400		4.010	334			
August	33,400		0.474	44			
September	26,600		0.000	0			
October	17,560		0.000	0			
November	19,800		0.000	0			
December	22,680		0.000	0			
Totals	367,400	0	4.498	408	0	0	0
Free St #3,4,5 uses same electric meter							
12. Based upon the displacement of _____gallons per revolution with_____per cent allowance for slip_____							
13. Average gallons per day _____0.012 MG (365 days)_____							
14. Maximum gallons pumped in a day _____0.31 MG_____							
15. Date of same, _____1-Aug-11_____							
16. Range of pressure in main _____50 -60 psi_____							
17. Average pressure in main _____55 psi_____							

408	Free Street #3 & #5 to Water Treatment Facility	
Annual report of Aquarion Water Company of Massachusetts		Year ended December 31, 2011
Pumping Information - Continued Hingham		
18. Kind of coal	_____	
19. Average price per net ton, delivered	_____	
20. Average price of wood per cord, delivered	_____	
21. Average price per gas per M. cubic feet	_____	
22. Average price per gasoline per gallon, delivered	_____	
23. Average price of fuel oil per gallon, delivered	_____	
24. Average price of electric power per Kwhr	\$	0.1290
25. Wood consumed durind the year	_____	
26. Gas consumed during the year	_____	
27. Gasoline consumed during the year	_____	
28. Fuel oil consumed during the year	_____	
29. Electric Power used during the year	367,400 Kwhrs	

407							
Annual report of Aquarion Water Company of Massachusetts					Year ended December 31, 2011		
Pumping Information - Continued Hingham							
11. Station log Free Street #2A to Water Treatment Facility							
Year and Month 2011	Kwhrs Used	Pounds of coal Burned	Million Gallons of Water Pumped	Hours of Pumping		Average Total Static Head	Average Total Dynamic Head
January	1,890		0.000	0			
February	1,890		0.000	0			
March	1,050		6.666	132			
April	7,770		3.591	82			
May	1,260		3.886	132			
June	15,750		16.615	554			
July	24,570		24.532	744			
August	21,630		18.071	602			
September	13,860		11.182	373			
October	3,570		0.084	2			
November	1,050		0.002	0			
December	1,050		0.000	0			
Totals	95,340	0	84.629	2,621	0	0	0
12. Based upon the displacement of _____ gallons per revolution with _____ per cent allowance for slip _____							
13. Average gallons per day _____ 0.232 MG (365 days)							
14. Maximum gallons pumped in a day _____ 1.14 MG							
15. Date of same, _____ 6-Jun-11							
16. Range of pressure in main _____ 50-60 psi							
17. Average pressure in main _____ 55 psi							

408	Free Street #2A to Water Treatment Facility	
Annual report of Aquarion Water Company of Massachusetts		Year ended December 31, 2011
Pumping Information - Continued Hingham		
18. Kind of coal		
19. Average price per net ton, delivered		
20. Average price of wood per cord, delivered		
21. Average price per gas per M. cubic feet		
22. Average price per gasoline per gallon, delivered		
23. Average price of fuel oil per gallon, delivered		
24. Average price of electric power per Kwhr	\$	0.2070
25. Wood consumed durind the year		
26. Gas consumed during the year		
27. Gasoline consumed during the year		
28. Fuel oil consumed during the year		
29. Electric Power used during the year	95,340 Kwhrs	

407							
Annual report of Aquarion Water Company of Massachusetts						Year ended December 31, 2011	
Pumping Information - Continued Hingham							
11. Station log Free Street #4 to Water Treatment Facility							
Year and Month 2011	Kwhrs Used	Pounds of coal Burned	Million Gallons of Water Pumped	Hours of Pumping		Average Total Static Head	Average Total Dynamic Head
January			38.871	744			
February			34.753	672			
March			30.326	744			
April			25.838	720			
May			25.224	744			
June			25.015	720			
July			27.320	744			
August			21.338	744			
September			23.184	720			
October			23.593	744			
November			23.200	720			
December			25.313	744			
Totals	0	0	323.975	8,760	0	0	0
Note: uses meter at Free St # 3							
12. Based upon the displacement of _____ gallons per revolution with _____ per cent allowance for slip _____							
13. Average gallons per day 0.888 MG (365 days)							
14. Maximum gallons pumped in a day 1.390 MG							
15. Date of same, 30-Jan-11							
16. Range of pressure in main 50 -60 psi							
17. Average pressure in main 55 psi							

408	Free Street #4 to Water Treatment Facility	
Annual report of Aquarion Water Company of Massachusetts		Year ended December 31, 2011
Pumping Information - Continued Hingham		
18. Kind of coal		
19. Average price per net ton, delivered		
20. Average price of wood per cord, delivered		
21. Average price per gas per M. cubic feet		
22. Average price per gasoline per gallon, delivered		
23. Average price of fuel oil per gallon, delivered		
24. Average price of electric power per Kwhr	See Free St.#3&5	
25. Wood consumed durind the year		
26. Gas consumed during the year		
27. Gasoline consumed during the year		
28. Fuel oil consumed during the year		
29. Electric Power used during the year	Kwhrs	

407							
Annual report of Aquarion Water Company of Massachusetts					Year ended December 31, 2011		
Pumping Information - Continued Millbury							
11. Station Log		Total System					
Year and Month 2011	Kwhrs Used	Purchased Water (MG)	Million Gallons of Water Pumped	Hours of Pumping	Total System (MG) Includes Purchased Wtr	Average Total Static Head	Average Total Dynamic Head
January	69,500	0.044	53.429	1,764	53.473		
February	92,350	0.494	48.228	1,525	48.722		
March	72,470	1.282	47.823	1,364	49.105		
April	141,580	0.012	48.874	1,563	48.886		
May	99,560	0.000	50.949	1,624	50.949		
June	61,030	0.008	51.721	1,665	51.729		
July	95,090	0.004	57.534	1,798	57.538		
August	84,970	2.334	51.598	1,582	53.932		
September	88,860	0.013	47.904	1,560	47.917		
October	77,990	0.000	47.879	1,557	47.879		
November	72,640	0.000	45.792	1,709	45.792		
December	73,320	0.000	43.217	1,826	43.217		
Totals	1,029,360	4.191	594.948	19,537	599.139	0	0
12. Based upon the displacement of _____ gallons per revolution with _____ per cent allowance for slip _____							
13. Average gallons per day _____ 1.641 MG (365 days)							
14. Maximum gallons pumped in a day _____ 2.403 MG							
15. Date of same, _____ 30-May-11							
16. Range of pressure in main _____ 21 lbs to _____ 125 lbs							
17. Average pressure in main _____ 73 lbs per sq in							

408	Total System	
Annual report of Aquarion Water Company of Massachusetts		Year ended December 31, 2011
Pumping Information - Continued Millbury		
18. Kind of coal		
19. Average price per net ton, delivered		
20. Average price of wood per cord, delivered		
21. Average price per gas per M. cubic feet		
22. Average price per gasoline per gallon, delivered		
23. Average price of fuel oil per gallon, delivered		
24. Average price of electric power per Kwhr	\$	0.1208
25. Wood consumed durind the year		
26. Gas consumed during the year		
27. Gasoline consumed during the year		
28. Fuel oil consumed during the year		
29. Electric Power used during the year	1,029,360 Kwhrs	

407							
Annual report of Aquarion Water Company of Massachusetts					Year ended December 31, 2011		
Pumping Information - Continued Millbury							
11. Station Log				Millbury Ave. Station			
Year and Month 2011	Kwhrs Used	Pounds of coal Burned	Million Gallons of Water Pumped	Hours of Pumping		Average Total Static Head	Average Total Dynamic Head
January	39,900		12.199	292			
February	26,000		13.145	336			
March	29,600		18.404	442			
April	32,700		7.935	189			
May	26,100		9.093	218			
June	14,100		9.259	223			
July	24,100		12.729	305			
August	26,600		13.149	316			
September	26,100		6.073	152			
October	17,200		5.400	137			
November	10,800		3.804	96			
December	11,700		14.429	346			
Totals	284,900	0	125.619	3,052	0	0	0
12. Based upon the displacement of _____ gallons per revolution with _____ per cent allowance for slip _____							
13. Average gallons per day				0.344 MG (365 days)			
14. Maximum gallons pumped in a day				1.273 MG			
15. Date of same,				21-Aug-11			
16. Range of pressure in main				21 lbs to 125 lbs			
17. Average pressure in main				73 lbs per sq in			

408	Millbury Ave. Station	
Annual report of Aquarion Water Company of Massachusetts		Year ended December 31, 2011
Pumping Information - Continued Millbury		
18. Kind of coal		
19. Average price per net ton, delivered		
20. Average price of wood per cord, delivered		
21. Average price per gas per M. cubic feet		
22. Average price per gasoline per gallon, delivered		
23. Average price of fuel oil per gallon, delivered		
24. Average price of electric power per Kwhr	\$ 0.1345	
25. Wood consumed durind the year		
26. Gas consumed during the year		
27. Gasoline consumed during the year		
28. Fuel oil consumed during the year		
29. Electric Power used during the year	284,900 Kwhrs	

407							
Annual report of Aquarion Water Company of Massachusetts					Year ended December 31, 2011		
Pumping Information - Continued Millbury							
11. Station Log Oak Pond Station							
Year and Month 2011	Kwhrs Used	Pounds of coal Burned	Million Gallons of Water Pumped	Hours of Pumping		Average Total Static Head	Average Total Dynamic Head
January	5,600		20.205	751			
February	3,200		17.743	660			
March	9,120		4.821	179			
April	71,680		17.459	650			
May	31,360		17.830	657			
June	21,280		19.321	713			
July	30,240		20.188	747			
August	20,320		14.362	531			
September	24,160		18.285	683			
October	22,240		18.737	674			
November	25,440		17.354	655			
December	23,520		0.141	0			
Totals	288,160	0	186.446	6,900	0	0	0
12. Based upon the displacement of _____ gallons per revolution with _____ per cent allowance for slip _____							
13. Average gallons per day _____ 0.511 MG (365 days)							
14. Maximum gallons pumped in a day _____ 0.787 MG							
15. Date of same, _____ 31-Jan-11							
16. Range of pressure in main _____ 21 lbs to _____ 125 lbs							
17. Average pressure in main _____ 73 lbs per sq in							

408	Oak Pond Station	
Annual report of Aquarion Water Company of Massachusetts		Year ended December 31, 2011
Pumping Information - Continued Millbury		
18. Kind of coal		
19. Average price per net ton, delivered		
20. Average price of wood per cord, delivered		
21. Average price per gas per M. cubic feet		
22. Average price per gasoline per gallon, delivered		
23. Average price of fuel oil per gallon, delivered		
24. Average price of electric power per Kwhr	\$ 0.1144	
25. Wood consumed durind the year		
26. Gas consumed during the year		
27. Gasoline consumed during the year		
28. Fuel oil consumed during the year		
29. Electric Power used during the year	288,160 Kwhrs	

407							
Annual report of Aquarion Water Company of Massachusetts					Year ended December 31, 2011		
Pumping Information - Continued Millbury							
11. Station Log Jacques #1 N. Main St. Station							
Year and Month 2011	Kwhrs Used	Pounds of coal Burned	Million Gallons of Water Pumped	Hours of Pumping		Average Total Static Head	Average Total Dynamic Head
January	21,650		21.025	721			
February	60,400		17.340	529			
March	29,650		24.598	743			
April	35,000		23.480	724			
May	40,050		24.026	749			
June	24,650		23.141	729			
July	39,350		24.617	746			
August	36,950		24.077	735			
September	37,300		23.546	725			
October	37,200		23.742	746			
November	35,600		20.336	722			
December	36,250		15.796	728			
Totals	434,050	0	265.724	8,597	0	0	0
12. Based upon the displacement of _____ gallons per revolution with _____ per cent allowance for slip _____							
13. Average gallons per day _____ 0.728 MG (365 days)							
14. Maximum gallons pumped in a day _____ 1.06 MG							
15. Date of same, _____ 14-Jul-11							
16. Range of pressure in main _____ 21 lbs to _____ 125 lbs							
17. Average pressure in main _____ 73 lbs per sq in							

408	Jacques #1 N. Main St. Station	
Annual report of Aquarion Water Company of Massachusetts		Year ended December 31, 2011
Pumping Information - ContinuePumping Information - Continued Millbury		
18. Kind of coal	_____	
19. Average price per net ton, delivered	_____	
20. Average price of wood per cord, delivered	_____	
21. Average price per gas per M. cubic feet	_____	
22. Average price per gasoline per gallon, delivered	_____	
23. Average price of fuel oil per gallon, delivered	_____	
24. Average price of electric power per Kwhr	\$	0.1149
25. Wood consumed durind the year	_____	
26. Gas consumed during the year	_____	
27. Gasoline consumed during the year	_____	
28. Fuel oil consumed during the year	_____	
29. Electric Power used during the year	434,050 Kwhrs	

407							
Annual report of Aquarion Water Company of Massachusetts					Year ended December 31, 2011		
Pumping Information - Continued Millbury							
11. Station Log Jacques #2 N. Main St. Station							
Year and Month 2011	Kwhrs Used	Pounds of coal Burned	Million Gallons of Water Pumped	Hours of Pumping		Average Total Static Head	Average Total Dynamic Head
January	2,350		0.000	0			
February	2,750		0.000	0			
March	4,100		0.000	0			
April	2,200		0.000	0			
May	2,050		0.000	0			
June	1,000		0.000	0			
July	1,400		0.000	0			
August	1,100		0.010	0			
September	1,300		0.000	0			
October	1,350		0.000	0			
November	800		4.298	236			
December	1,850		12.851	752			
Totals	22,250	0	17.159	988	0	0	0
12. Based upon the displacement of _____ gallons per revolution with _____ per cent allowance for slip _____							
13. Average gallons per day _____ 0.047 MG (365 days)							
14. Maximum gallons pumped in a day _____ 0.583 MG							
15. Date of same, _____ 24-Nov-11							
16. Range of pressure in main _____ 21 lbs to _____ 125 lbs							
17. Average pressure in main _____ 73 lbs per sq in							

408	Jacques #2 N. Main St. Station		
Annual report of Aquarion Water Company of Massachusetts		Year ended December 31, 2011	
Pumping Information - Continued Millbury			
18. Kind of coal			
19. Average price per net ton, delivered			
20. Average price of wood per cord, delivered			
21. Average price per gas per M. cubic feet			
22. Average price per gasoline per gallon, delivered			
23. Average price of fuel oil per gallon, delivered			
24. Average price of electric power per Kwhr	\$	0.1440	
25. Wood consumed durind the year			
26. Gas consumed during the year			
27. Gasoline consumed during the year			
28. Fuel oil consumed during the year			
29. Electric Power used during the year	22,250 Kwhrs		

407							
Annual report of Aquarion Water Company of Massachusetts					Year ended December 31, 2011		
Pumping Information - Continued Oxford							
11. Station Log							
Total System							
Year and Month 2011	Kwhrs Used	Pounds of coal Burned	Million Gallons of Water Pumped	Hours of Pumping		Average Total Static Head	Average Total Dynamic Head
January	41,560		18.203	1,098			
February	38,760		17.134	1,034			
March	47,840		17.956	1,086			
April	49,160		18.609	1,101			
May	44,120		21.793	1,267			
June	50,040		20.635	1,402			
July	59,680		25.428	1,433			
August	46,880		21.721	1,348			
September	54,840		17.576	1,115			
October	49,720		17.783	1,162			
November	38,120		15.991	965			
December	35,560		16.582	1,009			
Totals	556,280	0	229.411	14,020	0	0	0
12. Based upon the displacement of _____ gallons per revolution with _____ per cent allowance for slip _____							
13. Average gallons per day _____ 0.629 MG (365 days)							
14. Maximum gallons pumped in a day _____ 1.153 MG							
15. Date of same, _____ 17-Jul-11							
16. Range of pressure in main _____ 48 lbs to _____ 112 lbs							
17. Average pressure in main _____ 80 lbs per sq in							

408	Total System	
Annual report of Aquarion Water Company of Massachusetts		Year ended December 31, 2011
Pumping Information - Continued Oxford		
18. Kind of coal		
19. Average price per net ton, delivered		
20. Average price of wood per cord, delivered		
21. Average price per gas per M. cubic feet		
22. Average price per gasoline per gallon, delivered		
23. Average price of fuel oil per gallon, delivered		
24. Average price of electric power per Kwhr	\$	0.1196
25. Wood consumed durind the year		
26. Gas consumed during the year		
27. Gasoline consumed during the year		
28. Fuel oil consumed during the year		
29. Electric Power used during the year	556,280 Kwhrs	

407							
Annual report of Aquarion Water Company of Massachusetts					Year ended December 31, 2011		
Pumping Information - Continued Oxford							
11. Station Log North Main St. Well #1							
Year and Month 2011	Kwhrs Used	Pounds of coal Burned	Million Gallons of Water Pumped	Hours of Pumping		Average Total Static Head	Average Total Dynamic Head
January	12,600		0.000	0			
February	12,200		0.000	0			
March	22,400		0.000	0			
April	21,000		0.000	0			
May	19,000		0.000	0			
June	25,400		0.000	0			
July	32,800		0.000	0			
August	25,600		0.000	0			
September	29,400		0.000	0			
October	22,200		0.000	0			
November	18,600		0.000	0			
December	26,600		0.000	0			
Totals	267,800	0	0.000	0	0	0	0
12. Based upon the displacement of _____ gallons per revolution with _____ per cent allowance for slip _____							
13. Average gallons per day _____ 0.000 MG (365 days)							
14. Maximum gallons pumped in a day _____ 0 MG							
15. Date of same, _____							
16. Range of pressure in main _____ 48 lbs to _____ 112 lbs							
17. Average pressure in main _____ 80 lbs per sq in							

408	North Main St. Well #1		
Annual report of Aquarion Water Company of Massachusetts		Year Ended December 31, 2011	
Pumping Information - Continued Oxford			
18. Kind of coal			
19. Average price per net ton, delivered			
20. Average price of wood per cord, delivered			
21. Average price per gas per M. cubic feet			
22. Average price per gasoline per gallon, delivered			
23. Average price of fuel oil per gallon, delivered			
24. Average price of electric power per Kwhr	\$	0.1231	
25. Wood consumed durind the year			
26. Gas consumed during the year			
27. Gasoline consumed during the year			
28. Fuel oil consumed during the year			
29. Electric Power used during the year	267,800	Stations 1, 1A & 2	Kwhrs

407							
Annual report of Aquarion Water Company of Massachusetts					Year ended December 31, 2011		
Pumping Information - Continued Oxford							
11. Station Log North Main St. Well #1A							
Year and Month 2011	Kwhrs Used	Pounds of coal Burned	Million Gallons of Water Pumped	Hours of Pumping		Average Total Static Head	Average Total Dynamic Head
January	*		0.000	0			
February	*		0.000	0			
March	*		0.000	0			
April	*		0.000	0			
May	*		0.000	0			
June	*		6.419	533			
July	*		6.354	585			
August	*		1.082	97			
September	*		0.897	75			
October	*		6.578	594			
November	*		2.786	253			
December	*		2.932	276			
Totals	(See station # 1 for totals)		27.048	2,413	0	0	0
12. Based upon the displacement of _____gallons per revolution with _____per cent allowance for slip_____							
13. Average gallons per day _____0.074 MG (365 days)_____							
14. Maximum gallons pumped in a day _____0.364 MG_____							
15. Date of same, _____17-Jul-11_____							
16. Range of pressure in main _____48 lbs to _____112 lbs_____							
17. Average pressure in main _____80 lbs per sq in_____							

408	North Main St. Well #1A		
Annual report of Aquarion Water Company of Massachusetts		Year Ended December 31, 2011	
Pumping Information - Continued Oxford			
18. Kind of coal			
19. Average price per net ton, delivered			
20. Average price of wood per cord, delivered			
21. Average price per gas per M. cubic feet			
22. Average price per gasoline per gallon, delivered			
23. Average price of fuel oil per gallon, delivered			
24. Average price of electric power per Kwhr	see station #1		
25. Wood consumed durind the year			
26. Gas consumed during the year			
27. Gasoline consumed during the year			
28. Fuel oil consumed during the year			
29. Electric Power used during the year	see station #1 Kwhrs		

407							
Annual report of Aquarion Water Company of Massachusetts					Year ended December 31, 2011		
Pumping Information - Continued Oxford							
11. Station Log North Main St. Well #2							
Year and Month 2011	Kwhrs Used	Pounds of coal Burned	Million Gallons of Water Pumped	Hours of Pumping		Average Total Static Head	Average Total Dynamic Head
January	*		7.974	367			
February	*		7.679	353			
March	*		7.464	335			
April	*		8.776	403			
May	*		11.149	515			
June	*		5.735	265			
July	*		9.094	433			
August	*		10.594	508			
September	*		6.719	313			
October	*		9.242	442			
November	*		0.168	9			
December	*		0.000	0			
Totals	(See station # 1 for totals)		84.594	3,943	0	0	0
12. Based upon the displacement of _____ gallons per revolution with _____ per cent allowance for slip _____							
13. Average gallons per day _____ 0.232 MG (365 days)							
14. Maximum gallons pumped in a day _____ 0.598 MG							
15. Date of same, _____ 1-Jun-11							
16. Range of pressure in main _____ 48 lbs to _____ 112 lbs							
17. Average pressure in main _____ 80 lbs per sq in							
* One electric meter is used for 1, 1A & 2							

408	North Main St. Well #2	
Annual report of Aquarion Water Company of Massachusetts		Year ended December 31, 2011
Pumping Information - Continued Oxford		
18. Kind of coal	_____	
19. Average price per net ton, delivered	_____	
20. Average price of wood per cord, delivered	_____	
21. Average price per gas per M. cubic feet	_____	
22. Average price per gasoline per gallon, delivered	_____	
23. Average price of fuel oil per gallon, delivered	_____	
24. Average price of electric power per Kwhr	<u>see station #1</u>	
25. Wood consumed durind the year	_____	
26. Gas consumed during the year	_____	
27. Gasoline consumed during the year	_____	
28. Fuel oil consumed during the year	_____	
29. Electric Power used during the year	<u>see station #1 Kwhrs</u>	

11. Station Loop

Nelson St. #3

Year and Month 2011	Kwhrs Used	Pounds of coal Burned	Million Gallons of Water Pumped	Hours of Pumping		Total Static Head	Average Total Dynamic Head
January	28,960		10.229	731			
February	26,560		9.455	681			
March	25,440		10.492	751			
April	28,160		9.833	698			
May	25,120		10.644	752			
June	24,640		8.481	604			
July	26,880		9.980	415			
August	21,280		10.045	743			
September	25,440		9.960	727			
October	27,520		1.963	126			
November	19,520		13.037	703			
December	8,960		13.650	733			
Totals	288,480	0	117.769	7,664	0	0	0

12. Based upon the displacement of _____ gallons per revolution with _____ per cent allowance for slip

13. Average gallons per day	0.323 MG (365 days)
------------------------------------	---------------------

14. Maximum gallons pumped in a day	0.543 MG
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15. Date of same, 7-Dec-11

16. Range of pressure in main	48 lbs to	112 lbs
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17. Average pressure in main 80 lbs per sq in

408	Nelson St. #3	
Annual report of Aquarion Water Company of Massachusetts		Year ended December 31, 2011
18. Kind of coal		
19. Average price per net ton, delivered		
20. Average price of wood per cord, delivered		
21. Average price per gas per M. cubic feet		
22. Average price per gasoline per gallon, delivered		
23. Average price of fuel oil per gallon, delivered		
24. Average price of electric power per Kwhr	\$	0.1160
25. Wood consumed durind the year		
26. Gas consumed during the year		
27. Gasoline consumed during the year		
28. Fuel oil consumed during the year		
29. Electric Power used during the year	288,480	Kwhrs

409	Milbury	Annual report of Aquarion Water Company of Massachusetts				Year ended December 31, 2011	
DISTRIBUTION INFORMATION							
1. Mains							
Nominal Diameter, Inches	Kind of Pipe	Weight Per Foot	LENGTHS IN FEET				
			In Use at Beginning of Year	Taken Up Since	Abandoned But Not Taken Up	Laid Since	In Use at Close of Year
16	Cast Iron		6,575				6,575
12	C. I. & Ductile		39,123				39,123
10	Cast Iron		17,691				17,691
8	C.I. & Ductile		119,394	10		10	119,394
6	C.I. & Ductile		66,752	36		36	66,752
4	Cast Iron		1,323				1,323
3	Cast Iron		935				935
2 1/4	Cast Iron		12,751				12,751
2	Cast Iron		3,615	10			3,605
8	Transite		1,497				1,497
6	Transite		3,617				3,617
2	Plastic		825			10	835
		TOTALS	274,098	56	0	56	274,098
2. Cost of repairs per mile of pipe including valves _____							
3. Number of leaks in mains, during the year			11				
4. Number of leaks per mile			0.2119				
5. Length of mains less than 4 inches in diamater			18,126		miles		3.40

409	Oxford						
Annual report of Aquarion Water Company of Massachusetts					Year ended December 31, 2011		
DISTRIBUTION INFORMATION							
1. Mains							
Nominal Diameter, Inches	Kind of Pipe	Weight Per Foot	LENGTHS IN FEET				
			In Use at Beginning of Year	Taken Up Since	Abandoned But Not Taken Up	Laid Since	In Use at Close of Year
12	C.I. & Ductile		29,090				29,090
10	C.I. & Ductile		1,643				1,643
8	C.I. & Ductile		84,075				84,075
6	C.I. & Ductile		55,445				55,445
3	C.I. & Ductile		200				200
2 1/4	C.I. & Ductile		3,665				3,665
2	C.I. & Ductile		11,413				11,413
8	Transite		6,275				6,275
6	Transite		22,506				22,506
4	Ductile		354				354
2	Plastic		31				31
		TOTALS	214,697	0	0	0	214,697
2. Cost of repairs per mile of pipe including valves _____							
3. Number of leaks in mains, during the year _____ 2							
4. Number of leaks per mile _____ 0.0492							
5. Length of mains less than 4 inches in diamater _____ 15,309 miles _____ 2.9							

410		Hingham			
Annual report of Aquarion Water Company of Massachusetts				Year ended December 31, 2011	
DISTRIBUTION INFORMATION					
6. Water towers or stand pipes					
		Land			
	Location	Area	When Bought	Cost	
A B C	Turkey Hill Accord Tank (Accord Tank on land adjacent to Accord Pond - included there	23	1963	\$4,766	
	Capacity in Gallons	When Bought		Cost	
A B C	2,000,000 750,000	1963 1967		\$103,921 \$145,359	
	2,750,000				
7. Services					
Nominal Diameter Inches	Kind of Pipe	Number Installed and in Use at Beginning of Year	Taken Up Since	Laid Since	Installed and in Use at Close of Year
3/4" - 10"	Copper-WI-Steel	0			0
	Plastic Galv	10,384	19		10,365
Installed since 1987		0			0
		0			0
3/4"	Plastic	1			1
3/4"	Copper	259			259
1"	Plastic	1,017	4		1,013
1"	Copper	663		37	700
2"	Plastic	209		8	217
4"	DICL	128			128
6"	DICL	64			64
8"	DICL	43			43
12"	DICL	1			1
	TOTALS	12,769	23	45	12,791
8. Average length of service pipe 25 feet					
9. Average cost of service laid during the year			\$ 7,296		
10. Percentage of services that are metered			All except for fire services		
11. Percentage in income that is metered					
12. Leaks in service during the year			20		
13. Are service pipes paid for by consumer, in whole or in part and by what extent?			Water company provides labor		
materials for installation up to 2 inch in size, customer provides all other requirements to install water service including					
materials over 2 inch in size.					

410					
Annual report of Aquarion Water Company of Massachusetts				Year ended December 31, 2011	
DISTRIBUTION INFORMATION					
6. Water towers or stand pipes Millbury					
	Location	Land			
		Area	When Bought	Cost	
A B C D	Burbank Hill	3.00 Acres	1895		
	Inside Diameter	Capacity in Gallons	When Bought	Cost	
A B C D	130'	1,500,000	1895	\$25,802	
7. Services					
Nominal Diameter Inches	Kind of Pipe	Number Installed and in Use at Beginning of Year	Taken Up Since	Laid Since	Installed and in Use at Close of Year
10	Cast Iron	1			1
8	Cast Iron Ductile	16			16
6	Cast Iron Ductile	38			38
4	Cast Iron Ductile	5			5
3	Cast Iron	2			2
2 1/4	Cast Iron	7			7
2	Cast Iron	26	1		25
1 1/4	Cast Iron	4			4
1 1/2	Copper	0			0
3/4	Copper	1,371	1		1,370
3/4	Plastic	612			612
1	Copper	380	2		378
1	Plastic	491		7	498
1	Cement Lined	493	3		490
2	Plastic	32		1	33
2	Copper	2			2
	TOTALS	3,480	7	8	3,481
Also 11 residential services in the Town of Auburn that are included in the above totals					
8. Average length of service pipe		27 feet			
9. Average cost of service laid during the year		\$ 6,457			
10. Percentage of services that are metered		all except fire service			
11. Percentage in income that is metered					
12. Leaks in service during the year		6			
13. Are service pipes paid for by consumer, in whole or in part and by what extent?		Water company provides labor			
materials for installation up to 2 inch in size, customer provides all other requirements to install water service including					
materials over 2 inch in size.					

410		Oxford			
Annual report of Aquarion Water Company of Massachusetts					
Year ended December 31, 2011					
DISTRIBUTION INFORMATION					
6. Water towers or stand pipes					
	Location	Land			
		Area	When Bought	Cost	
		1 Acre	1905	\$319	
		13.4 Acres	1944	\$438	
A	N. Main St., Oxford , MA				
B					
C					
D					
	Inside Diameter	Capacity in Gallons	When Bought		
A	27	215,000	1905		
B					
C					
D					
7. Services					
Nominal Diameter Inches	Kind of Pipe	Number Installed and in Use at Beginning of Year	Taken Up Since	Laid Since	Installed and in Use at Close of Year
8	Cast Iron Ductile	8			8
6	Cast Iron Ductile	12			12
2 1/4	Cast Iron	12			12
2	Galv Iron	0			0
1 1/2	Copper	2			2
1 1/4	Copper	1			1
1	Copper	222			222
3/4	Copper	1,523	9		1,514
2	Cast Iron	5			5
4	Cast Iron Ductile	2			2
3/4	Plastic	499	2		497
1	Plastic	530		11	541
2	Plastic	23		2	25
1	Galv Iron	18			18
	TOTALS	2,857	11	13	2,859
8. Average length of service pipe 27 feet					
9. Average cost of service laid during the year \$ 2,852					
10. Percentage of services that are metered all except fire service					
11. Percentage in income that is metered					
12. Leaks in service during the year 10					
13. Are service pipes paid for by consumer, in whole or in part and by what exte Water company provides					
labor materials for installation up to 2 inch in size, customer provides all other requirements to install water service including					
materials over 2 inch in size.					

411	Hingham				
Annual report of Aquarion Water Company of Massachusetts				Year ended December 31, 2011	
DISTRIBUTION INFORMATION - Continued					
14. Gates and valves					
Nomial Diameter Inches	Kind of Valves	Number in Use at Beginning of Year	Removed Since	Installed Since	Number in Use at Close of Year
24	Butterfly Valves	17			17
20	Butterfly Valves	18			18
16	Butterfly Valves	8			8
14	Butterfly Valves	5			5
12	Butterfly Valves	19			19
12	Check Valve	1			1
20	Gate Valves	10		1	11
16	Gate Valves	10		1	11
14	Gate Valves	16			16
12	Gate Valves	295		9	304
10	Gate Valves	32			32
8	Gate Valves	901	1	3	903
6	Gate Valves	809	2	1	808
4	Gate Valves	206	1	4	209
3	Gate Valves	1			1
2 1/4 - 2 1/2	Gate Valves	86			86
2	Gate Valves	196		1	197
1 1/2	Gate Valves	10			10
1 1/4	Gate Valves	17			17
1	Gate Valves	274		1	275
3/4	Gate Valves	81			81
Totals		3,012	4	21	3,029
The above list should include all valves that are installed in the mains, whether they are gate valves, blow offs, check valves or otherwise.					

411

Millbury

Annual report of Aquarion Water Company of Massachusetts

Year ended December 31, 2011

DISTRIBUTION INFORMATION - Continued

14. Gates and valves

Nomial Diameter Inches	Kind of Valves	Number in Use at Beginning of Year	Removed Since	Installed Since	Number in Use at Close of Year
16	Gate Valve	7			7
12	Gate Valve	71			71
10	Gate Valve	25			25
8	Gate Valve	243			243
6	Gate Valve	345			345
4	Gate Valve	3			3
3	Gate Valve	6			6
2 1/4	Gate Valve	31			31
2	Gate Valve	25			25
3/4	Gate Valve	2			2
Totals		758	0	0	758

The above list should include all valves that are installed in the mains, whether they are gate valves, blow offs, check valves or otherwise.

412		Hingham			
Annual report of Aquarion Water Company of Massachusetts				Year ended December 31, 2011	
DISTRIBUTION INFORMATION - Continued					
15. HYDRANTS.PUBLIC					
Nominal Diameter Inches	Hose Outlets	Number in Use at Beginning of Year	Removed Since	Installed Since	Number in Use at Close of Year
4 1/2		0			0
4 1/4		0			0
5		509	13		496
5 1/4		394		15	409
TOTALS		903	13	15	905
16. Were all of the above hydrants purchases and installed at the expense of the company? <u>NO</u>					
17. If not, under what arrangement were they purchases and installed? <u>Customer/Town Purchased & Installed</u> <u>Town Owned</u>					
18. HYDRANTS.PRIVATE					
Nominal Diameter Inches	Hose Outlets	Number in Use at Beginning of Year	Removed Since	Installed Since	Number in Use at Close of Year
5		3			3
4 1/2		0			0
4 1/4		6			6
5		36	1		35
5 1/4		239		1	240
Metered		122			122
TOTALS		406	1	1	406
19. Were all of the above hydrants purchases and installed at the expense of the company? <u>NO</u>					
20. If not, under what arrangement were they purchases and installed? <u>Customer/Town Purchased & Installed</u>					

412		Millbury			
Annual report of Aquarion Water Company of Massachusetts			Year ended December 31, 2011		
DISTRIBUTION INFORMATION - Continued					
15. HYDRANTS.PUBLIC					
Nominal Diameter Inches	Hose Outlets	Number in Use at Beginning of Year	Removed Since	Installed Since	Number in Use at Close of Year
4 1/2	2 - 2 1/2	29			29
5	2 - 2 1/2, 1- 4	1			1
5 1/4	2 - 2 1/2, 1- 4	46			46
4 1/4	2 - 2 1/2, 1- 4	65			65
4 1/2	2 - 2 1/2, 1- 4	61			61
4 3/4	2 - 2 1/2, 1- 4	8			8
4 1/4	2 - 2 1/2, 1- 4	1			1
TOTALS		211	0	0	211
16. Were all of the above hydrants purchases and installed at the expense of the company? NO					
17. If not, under what arrangement were they purchases and installed? Hydrants installed on new main extensions are paid by developers.					
18. HYDRANTS.PRIVATE					
Nominal Diameter Inches	Hose Outlets	Number in Use at Beginning of Year	Removed Since	Installed Since	Number in Use at Close of Year
4	2 - 2 1/2	28			28
4 1/2	2 - 2 1/2, 1- 4	13			13
4 1/4	2 - 2 1/2, 1- 4	5			5
5 1/4	2 - 2 1/2, 1- 4	62			62
TOTALS		108	0	0	108
19. Were all of the above hydrants purchases and installed at the expense of the company? NO					
20. If not, under what arrangement were they purchases and installed? Customer Purchased					

412		Oxford			
Annual report of Aquarion Water Company of Massachusetts				Year ended December 31, 2011	
DISTRIBUTION INFORMATION - Continued					
15. HYDRANTS.PUBLIC					
Nominal Diameter Inches	Hose Outlets	Number in Use at Beginning of Year	Removed Since	Installed Since	Number in Use at Close of Year
4	2 - 2 1/2	29			29
4	3 - 2 1/2	0			0
4 1/4	2 - 2 1/2, 1- 4	3			3
4 1/2	2 - 2 1/2, 1- 4	76			76
5	2 - 2 1/2, 1- 4	5			5
4	2 - 2 1/2, 1- 4	1			1
5 1/4	2 - 2 1/2, 1- 4	68	1	1	68
TOTALS		182	1	1	182
16. Were all of the above hydrants purchases and installed at the expense of the company? NO					
17. If not, under what arrangement were they purchases and installed? Hydrants installed on new main extensions are paid for by developers.					
18. HYDRANTS.PRIVATE					
Nominal Diameter Inches	Hose Outlets	Number in Use at Beginning of Year	Removed Since	Installed Since	Number in Use at Close of Year
4	2 - 2 1/2, 1- 4	13			13
5 1/4	2 - 2 1/2, 1- 4	0			0
TOTALS		13	0	0	13
19. Were all of the above hydrants purchases and installed at the expense of the company? NO					
20. If not, under what arrangement were they purchases and installed? Customer Purchased					

413	Millbury					
Annual report of Aquarion Water Company of Massachusetts				Year ended December 31, 2011		
DISTRIBUTION INFORMATION - Continued						
21. Meters owned by Company						
Size inches	Number at Beginning of Year		Bought Since	Condemned Since and Removed	Number at Close of Year	
	In Use	On Hand			In Use	On Hand
1/2						
5/8	3,358	176	400	536	3,363	35
3/4	1	0	0	0	1	0
1	52	9	7	9	54	5
1 1/2	16	2	2	0	16	4
2	46	8	5	5	46	8
3	1	0	0	0	1	0
4	4	0	0	0	4	0
5						
8						
Totals	3,478	195	414	550	3,485	52
22. Has the plant been debited with the first cost of installing the meters in use at close of year, above stated?						Yes
23. If so, was the cost the actual cost or some assumed or average cost?						Actual
24. Are any of these meters paid for by consumers, and to what extent?						None
Company owned meters at pump stations:						
Oak Pond Station 1-8" Honeywell Flow						
#1 Jacques 1-8" Chessel Flow						
#2 Jacques 1-8" Chessel Flow						
5-1" mtrs for make up water - 1-Oak Pond, 1-#1 Jacques, 1-#2 Jacques, 2-Millbury Ave. Filter Plant						
Millbury Ave. - 5-6" Primary Flow Signal Flow Meters						
Millbury Ave. - 3-8" Primary Flow Signal Flow Meters						

413	Oxford					
Annual report of Aquarion Water Company of Massachusetts				Year ended December 31, 2011		
DISTRIBUTION INFORMATION - Continued						
21. Meters owned by Company						
Size inches	Number at Beginning of Year		Bought Since	Condemned Since and Removed	Number at Close of Year	
	In Use	On Hand			In Use	On Hand
1/2						
5/8	2,506	53	200	229	2,507	23
3/4	0	0	0	0	0	0
1	52	0	1	0	52	1
1 1/2	7	1	0	0	7	1
2	15	2	0	1	16	0
3	0	0	0	0	0	0
4	0	0	0	0	0	0
6	3	0	0	0	3	0
8	0	0	0	0	0	0
Totals	2,583	56	201	230	2,585	25
22. Has the plant been debited with the first cost of installing the meters in use at close of year, above stated?			Yes			
23. If so, was the cost the actual cost or some assumed or average cost?			Actual			
24. Are any of these meters paid for by consumers, and to what extent?			None			
Company owned meters at pump stations:			N Main St. & #1A N. Main St.			
			N. Main St. #1 1-8" Chessel flow			
			N. Main St. #2 1-8" Chessel flow			
			Nelson St. #3 1-8" Chessel flow			
			2-1" Meter for make up water			
			#1N. Main St.			
			#3 Nelson St.			

414		Hingham										
Annual report of Aquarion Water Company of Massachusetts												
Distribution Information - Concluded												
25. Meters owned by Company as of December 31, 2011												
Size (inches)												
Maker	Type	1/2	5/8	3/4	1	1 1/2	2	3	4	6	8	Total
Hersey	Turbine									2		2
Neptune	Disc Pin		11,770	68	366	80	173					12,457
Neptune	Turbine							2	3	1	4	10
Totals		0	11,770	68	366	80	173	2	3	3	4	12,469

414 Millbury												
Annual report of Aquarion Water Company of Massachusetts												
Distribution Information - Concluded												
25. Meters owned by Company as of December 31, 2011												
Size												
Maker	Type	1/2	5/8	3/4	1	1 1/2	2	3	4	6	8	Total
Neptune	Disc		3,262	1	59	20	54	1				3,397
Badger	Disc		105		0	0						105
Neptune	Turbine								4			4
Kent	Disc		31									31
Rockwell	Disc											
Totals		0	3,398	1	59	20	54	1	4	0	0	3,537

414 Oxford												
Annual report of Aquarion Water Company of Massachusetts												
Distribution Information - Concluded												
25. Meters owned by Company as of December 31, 2011												
Size												
Maker	Type	1/2	5/8	3/4	1	1 1/2	2	3	4	6	8	Total
Neptune	Disc		2,479	0	50	7	14					2,550
Badger	Disc		38		3		2					43
Neptune	Fullcrest									2		2
Rockwell	Disc					1						1
Kent	Disc		13									13
Neptune	Protectus									1		1
Totals		0	2,530	0	53	8	16	0	0	3	0	2,610

415 Hingham	
Annual report of Aquarion Water Company of Massachusetts American Water Company	Year ended December 31, 2011
CONSUMPTION INFORMATION	
1. Estimated total population of territory covered by franchise	Permanent 32,353 Seasonal 45,063
2. Estimated population reached by the distribution system,	32,353 45,063
3. Estimated population actually supplied,	32,353 45,063
4. Total consumption during the year (1)	1,210,060,000 gallons
5. Average daily consumption (2)	3,315,233 gallons
6. Day on which greatest amount was pumped	23-Jul-11
7. Gallons pumped on above day	5,770,000 gallons
8. Week during which greatest amount was pumped	7/17/11-7/23/11
9. Gallons pumped during above week	37,740,000 gallons
10. Gallons per day per service (3)	201 gallons
11. Consumption metered	905,094,000 gallons
12. Consumption metered	74.8% Per cent of total consumption
13. Customers	
Number being Supplied at Beginning of Year	Disconnected Since Connected Since Number being Supplied at Close of Year
12,682	0 58 12,740
Name of City, Town or District	Number of Customers as of December 31, 2011
Hingham	7,835
Hull	4,580
Cohasset	325

(1) Represents Total Water Production During the Year including purchased water
(2) Represents Average Daily Production
(3) Represents Metered Consumption per day per Customer, excluding Fire services.

415		Millbury	
Annual report of Massachusetts American Water Company		Year ended December 31, 2011	
CONSUMPTION INFORMATION			
1. Estimated total population of territory covered by franchise,	<u>13,564</u>		
2. Estimated population reached by the distribution system,	<u>9,116</u>		
3. Estimated population actually supplied,	<u>9,116</u>		
4. Total consumption during the year (1)	<u>599,139,000</u> gallons		
5. Average daily consumption (2)	<u>1,641,477</u> gallons		
6. Day on which greatest amount was pumped	<u>30-May-11</u>		
7. Gallons pumped on above day	<u>2,403,000</u> gallons		
8. Week during which greatest amount was pumped	<u>w/e: July 10, 2011</u>		
9. Gallons pumped during above week	<u>13,241,000</u> gallons		
10. Gallons per day per service (3)	<u>388</u> gallons		
11. Consumption metered	<u>494,046,000</u> gallons		
12. Consumption metered	<u>82.46%</u> Per cent of total consumption		
13. Customers			
Number being Supplied at Beginning of Year	Disconnected Since	Connected Since	Number being Supplied at Close of Year
3,593		10	3,603
Name of City, Town or District		Number of Customers as of December 31, 2011	
Millbury		3,603	

(1) Represents Total Water Production During the Year

(2) Represents Average Daily Production

(3) Represents Metered Consumption per day per Customer, excluding Fire Services.

415Oxford

Annual report of Massachusetts American Water Company

Year ended December 31, 2011

CONSUMPTION INFORMATION

1. Estimated total population of territory covered by franchise,	13,799
	6,673
2. Estimated population reached by the distribution system,	
3. Estimated population actually supplied,	6,673
4. Total consumption during the year (1)	229,411,000 gallons
5. Average daily consumption (2)	628,523 gallons
6. Day on which greatest amount was pumped	17-Jul-11
7. Gallons pumped on above day	1,153,000 gallons
8. Week during which greatest amount was pumped	w/e: July 24,2011
9. Gallons pumped during above week	6,383,000 gallons
10. Gallons per day per service (3)	196 gallons
11. Consumption metered	184,815,000 gallons
12. Consumption metered	80.56% Per cent of total consumption

13.

Customers

Number being Supplied at Beginning of Year	Disconnected Since	Connected Since	Number being Supplied at Close of Year
2,614		3	2,617

Name of City, Town or District	Number of Customers as of December 31,2011
Oxford	2,617

(1) Represents Total Water Production During the Year
(2) Represents Average Daily Production
(3) Represents Metered Consumption per day per Customer, excluding Fire Services.

416	
Annual report of Aquarion Water Company of Massachusetts	Year ended December 31, 2011
CONSUMPTION INFORMATION - Concluded	
By Meter... SEE ATTACHED RATE TARIFF SHEETS DATED APRIL 1, 2009 and September 17, 2010	
.....	
.....	
.....	
Per faucet, per year.....	
Per hose connection, per year,.....	
Per bath tub, per year,.....	
Per shower bath, per year,	
Per foot tub, per year,.....	
Per wash tub, per year,.....	
Per urinal, per year,.....	
Per water closet, per year,.....	
Per sink, per year,.....	
Per bowl, per year.....	
Per private hydrant, per year,.....	
For sprinkler systems,.....	
For water motors,.....	
Per drinking fountain, per year,.....	
Per public hydrant, per year,.....	
For watering troughs,.....	
Minimum charge,.....	
Give any contact rates that are in force and state what discounts are allowed for prompt payment and what fines are charged for delayed payment.....	
.....	
.....	
Are payments required in advance?.....	
When are meters read and bills rendered?.....	

RATE FOR METERED SERVICE – SERVICE AREA A**AVAILABILITY**

This rate is available to customers located in the following towns on the mains of the Company within the Company's franchise area, for all purposes except fire protection, subject to the Rules and Regulations of the Company: Cohasset (North Cohasset), Hingham, Hull and Norwell.

WATER CHARGE

A water charge will be made for all water used as registered by the meter, as set forth below:

Rate Per Hundred Cubic Feet (CCF)

RATE R1 - Applies to all metered residential usage by customers classified as such on the Company's records.

First 12 CCF per Quarter/ 4 CCF per Month	\$2.566
Over 12 CCF per Quarter/ 4 CCF per Month	\$3.496

RATE G1 - Applies to all metered commercial usage by customers classified as such on the Company's records, which do not qualify for Rate G4.

First 12 CCF per Quarter/ 4 CCF per Month	\$1.881
Over 12 CCF per Quarter/ 4 CCF per Month	\$2.356

RATE G2 - Applies to all metered public authority usage by customers classified as such on the Company's records, which do not qualify for Rate G4.

First 12 CCF per Quarter / 4 CCF per Month	\$1.881
Over 12 CCF per Quarter/ 4 CCF per Month	\$2.229

RATE G3 - Applies to all metered industrial usage by customers classified as such on the Company's records, which do not qualify for Rate G4.

All Usage	\$1.999
-----------	---------

RATE G4 - Applies to the total monthly usage by qualifying non-residential customers, classified as such on the Company's records, as per the following criteria:

All Usage	\$1.404
-----------	---------

Monthly billed amounts: not less than 10,000,000 gallons,
and not more than 40,000,000
gallons

Past 12 months total billed amount not less than 120,000,000 gallons.

Usage which does not meet these criteria shall be charged at the appropriate G1, G2 or G3 Rate.

SERVICE CHARGE

In addition, all metered general water service customers shall pay a service charge on the size of each meter installed. Customers with multiple meters shall be charged for each meter at the indicated rate.

<u>Size of Meter</u>	<u>Service Charge</u>	
	<u>Per Month</u>	<u>Per Quarter</u>
5/8"	\$ 13.94	\$ 41.82
3/4"	\$ 21.19	\$ 63.57
1"	\$ 34.01	\$ 102.03
1 1/2"	\$ 66.35	\$ 199.05
2"	\$ 105.11	\$ 315.33
3"	\$ 195.72	\$ 587.16
4"	\$ 324.38	\$ 973.14
6"	\$ 647.51	\$ 1,942.53
8"	\$ 1,035.60	\$ 3,106.80

TERMS OF PAYMENT

The Company may render bills on either a quarterly or monthly basis. The above rates are payable within forty-five (45) days of the date of the bill.

Issued: September 17, 2010

Effective: September 17, 2010

By: 

Donald J. Morrissey

Title: Vice President, Treasurer

RATE FOR METERED SERVICE – SERVICE AREA B**AVAILABILITY**

This rate is available to customers located in the following towns on the mains of the Company within the Company's franchise area, for all purposes except fire protection, subject to the Rules and Regulations of the Company: Millbury, Oxford.

WATER CHARGE

A water charge will be made for all water used as registered by the meter, as set forth below:

*Rate Per
Thousand Gallons(KGAL):*

RATE R1 - Applies to all metered residential usage by customers classified as such on the Company's records.
First 9 KGAL per Quarter/ 3 KGAL per Month \$3.430
Over 9 KGAL per Quarter/ 3 KGAL per Month \$4.673

RATE G1 - Applies to all metered commercial usage by customers classified as such on the Company's records, which do not qualify for Rate G4.

First 9 KGAL per Quarter/ 3 KGAL per Month \$2.514
Over 9 KGAL per Quarter/ 3 KGAL per Month \$3.150

RATE G2- Applies to all metered public authority usage by customers classified as such on the Company's records, which do not qualify for Rate G4.

First 9 KGAL per Quarter/ 3 KGAL per Month \$2.514
Over 9 KGAL per Quarter/ 3 KGAL per Month \$2.980

RATE G3- Applies to all metered industrial usage by customers classified as such on the Company's records, which do not qualify for Rate G4.

All Usage \$2.672

RATE G4 - Applies to the total monthly usage by qualifying non-residential customers, classified as such on the Company's records, as per the following criteria:

All Usage 1.877

Monthly billed amounts: not less than 10,000,000 gallons,
and not more than 40,000,000
gallons

Past 12 months total billed amount not less than 120,000,000 gallons.

Usage which does not meet these criteria shall be charged at the G1, G2 or G3 Rate.

SERVICE CHARGE

In addition, all metered general water service customers shall pay a service charge on the size of each meter installed. Customers with multiple meters shall be charged for each meter at the indicated rate.

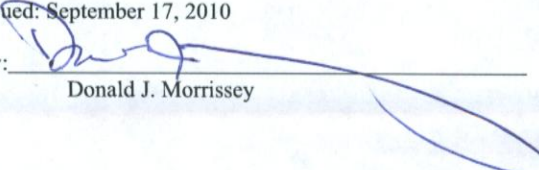
<u>Size of Meter</u>	<u>Service Charge</u>	
	<u>Per Month</u>	<u>Per Quarter</u>
5/8"	\$ 13.94	\$ 41.82
3/4"	\$ 21.19	\$ 63.57
1"	\$ 34.01	\$ 102.03
1 1/2"	\$ 66.35	\$ 199.05
2"	\$ 105.11	\$ 315.33
3"	\$ 195.72	\$ 587.16
4"	\$ 324.38	\$ 973.14
6"	\$ 647.51	\$ 1,942.53
8"	\$ 1,035.60	\$ 3,106.80

TERMS OF PAYMENT

The Company may render bills on either a quarterly or monthly basis. The above rates are payable within forty-five (45) days of the date of the bill.

Issued: September 17, 2010

Effective: September 17, 2010

By: 
Donald J. Morrissey

Title: Vice President, Treasurer

RATE FOR PRIVATE FIRE PROTECTION**AVAILABILITY**

This rate is available to customers located on the mains of the Company within the Company's franchise area for Private Fire Protection, subject to the Rules and Regulations of the Company.

RATE

	<u>Per Year</u>
For each service connection 4" or smaller	\$ 458.50
For each service connection 6"	\$ 962.48
For each service connection 8"	\$ 1,668.07
For each service connection 10"	\$ 2,575.25
For each service connection 12"	\$ 3,684.02
For each privately owned fire hydrant serving Cohasset, Hingham, Hull, Millbury and Oxford	\$ 656.66
For each privately owned fire hydrant outside Cohasset, Hingham, Hull, Millbury and Oxford	\$ 825.11

TERMS OF PAYMENT

Bills shall be rendered and due monthly or quarterly in advance. The above rates are net and are payable within forty-five (45) days of the date of the bill. The Company reserves the right to disconnect the service of any customers not having their account paid in full within forty-five (45) days of the date of the bill.

SPECIAL PROVISIONS

(a) All water shall be used for fire protection purposes only.

(b) The Company reserves the right, if water is used in violation of (a) above, to install a meter on the connection at any time which will meet the requirements of the fire insurance companies. In the event a meter is installed, the established meter rates, including both water and service charges, will apply in lieu of the above rates for Private Fire Protection.

Issued: April 1, 2009

Effective: April 1, 2009

By: 

Title: Vice President, Treasurer

RATE FOR PUBLIC FIRE PROTECTION

AVAILABILITY

This rate is available for Public Fire Protection only, and is subject to the Rules and Regulations of the Company.

RATES

For each Company owned public fire hydrant \$ 198.03

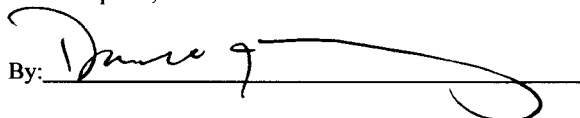
In addition, annual charges as follows:

Town of Hingham	\$ 316,478.00
Town of Hull	\$ 182,115.00
Town of Cohasset	\$ 14,991.00
Town of Millbury	\$ 127,702.00
Town of Oxford	\$ 88,836.00

TERMS OF PAYMENT

Bills shall be rendered and due monthly or quarterly in arrears. The above rates are payable within forty-five (45) days of the date of the bill.

Issued: April 1, 2009

By: 

Effective: April 1, 2009

Title: Vice President, Treasurer

SALE FOR RESALE

AVAILABILITY

This rate is available to municipalities, or political subdivisions thereof, for resale to customers resident in territory contiguous to that served by the Company.

RATE

For all water taken, subject to the minimum charge as provided below:

\$ 2.00 per 1,000 gallons

MINIMUM CHARGE

A variable minimum charge will apply based on the minimum monthly delivery occurring over the preceding 12 months, but not less than 100,000 gallons per month, times the currently allowed rate per 1,000 gallons.

Example: given a minimum monthly billing of 500,000 gallons, the minimum charge
 Would be $\$2.00 \times 500 = \$1,000$ per month.

TERMS OF PAYMENT

The Company may render bills on either a quarterly or monthly basis. The above rates are payable within forty-five (45) days of the date of the bill.

Issued: April 1, 2009

By: 

Effective: April 1, 2009

Title: Vice President, Treasurer

MISCELLANEOUS CHARGES**Drought Conditions**

Termination and Restoration Fee – Business Hours*	\$ 49.00
Termination and Restoration Fee – After Hours	\$ 294.00

*Normal business hours are Monday through Friday, 8 am to 4 pm.

System Development Charge ("SDC")

Meter Size**	Capacity GPM	Ratio to 5/8" Meter	Fee
5/8"	20	1.00	\$640
3/4"	30	1.50	\$960
1"	50	2.50	\$1,600
1 1/2"	100	5.00	\$3,200
2"	160	8.00	\$5,120
3"	320	16.00	\$10,240
4"	500	25.00	\$16,000

*SDC is determined on a case by case basis for meter sizes greater than 4".

Issued: April 1, 2009

By: 

Effective: April 1, 2009

Title: Vice President, Treasurer

OTHER SERVICES**AVAILABILITY**

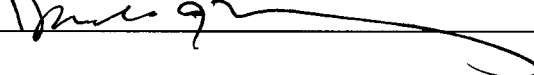
This rate is available to all classes of customers located on the mains of the Company Subject to the Rules and Regulations of the Company.

Frozen Meters	Actual Cost of Meter
Meter Test Fees 1" and less	\$ 50.00
Larger than 1"	\$ 75.00
Return Check Fee	\$ 20.00
Turn-on Fee – Business Hours	\$ 49.00
After Hours Callout	\$ 294.00
Non-Payment Reconnect – Business Hours	\$ 49.00
Non-Payment Reconnect – After Hours	\$ 294.00
Cross Connection – One Device Testing	\$ 75.00
Each Additional	\$ 35.00

TERMS OF PAYMENT

The Company may render bills on either a quarterly or monthly basis. The above rates are payable within forty-five (45) days of the date of the bill.

Issued: April 1, 2009

By: 

Effective: April 1, 2009

Title: Vice President, Treasurer

The following surcharges are applicable to all metered customers located in the following towns on the mains of the Company within the Company's franchise area: Cohasset, (North Cohasset), Hingham, Hull and Norwell.

SURCHARGE

<u>Size of Meter</u>	<u>Service Charge</u>	
	<u>Per Month</u>	<u>Per Quarter</u>
5/8"	\$13.82	\$41.46
3/4"	\$21.01	\$63.03
1"	\$33.72	\$101.16
1 1/2"	\$65.78	\$197.34
2"	\$104.20	\$312.60
3"	\$194.03	\$582.09
4"	\$321.59	\$964.77
6"	\$641.94	\$1,925.82
8"	\$1,026.69	\$3,080.07

Consumption Charge per 100 cubic feet for Water Treatment Facility Lease \$0.8754

Consumption Charge per 100 cubic feet for Water Treatment Operation and Maintenance \$0.8796

TERMS OF PAYMENT

The Company may render bills on either a quarterly or monthly basis. The above rates are payable within forty-five (45) days of the date of the bills.

Issued: April 1, 2009

By: 

Effective: April 1, 2009

Title: Vice President, Treasurer

PURCHASED WATER SURCHARGE

AVAILABILITY

All metered general water service customers falling under the G4 rate designation receiving water service from the Millbury system, the City of Worcester interconnection or a combination of both sources. G4 customers will be billed at the customary G4 rate under the Company's approved tariff schedule for water service received from the Millbury system based on readings of the Millbury system meter.

SURCHARGE AMOUNT

In addition, any G4 customer who receives water supplied from the City of Worcester interconnection will be billed an amount equal to the difference in the cost of water purchased from the City of Worcester and the volumetric rate paid by a G4 customer as per the Company's tariff.

To the extent that multiple customers qualify for the G4 rate, the cost of water service from the City of Worcester interconnection will be allocated among the qualifying customers based upon the respective water usage in the applicable billing period.

The surcharge for each forthcoming year will be calculated on December 1 based on the previous 12 months of applicable actual invoices from the City of Worcester. The surcharge will be charged to the customer in equal installments over the calendar year beginning with the January billing.

TERMS OF PAYMENT

The Company renders bills on a monthly basis. The above rates are payable within forty-five (45) days of the date of the bill.

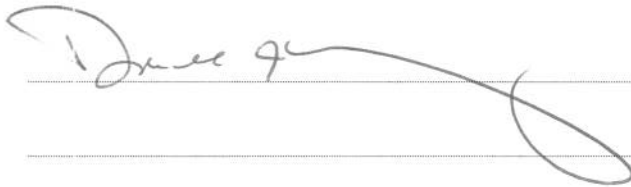
Issued: April 1, 2009

By: 

Effective: April 1, 2009

Title: Vice President, Treasurer

THIS RETURN IS SIGNED UNDER THE PENALTIES OF PERJURY



Vice President and Treasurer

SIGNATURES OF ABOVE PARTIES AFFIXED OUTSIDE THE COMMONWEALTH OF MASSACHUSETTS MUST BE PROPERLY SWORN TO

_____ as _____

Then personally appeared _____

and severally made oath to the truth of the foregoing statement by them subscribed according to their best knowledge and belief.



Signature

Expiration of Commission

Notary Public or
~~Justice of the Peace~~

