120

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, 2012

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

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	$368,914.88 * $19,297.19 charged to MA.
Vice President of Operations	Harry C. Hibbard	Aquarion Water Company of Massachusetts, Inc. 900 Main St., Hingham, MA 02018 terminated July 2012	$89,266.92 * $58,554.45 charged to MA.
Vice President of Operations	John Walsh	Aquarion Water Company of Massachusetts, Inc. 900 Main St., Hingham, MA 02018 hired July 2012	$58,991.59 * $37,592.73 charged to MA.
Executive Vice President, Treasurer, Secretary and Clerk	Donald J. Morrissey	Aquarion Water Company 835 Main St., Bridgeport, CT 06604	$267,607.05 * $13,783.66 charged to MA.
Vice President Operations	Howard J. Dunn	Aquarion Water Company 600 Lindley Street Bridgeport, CT 06604	$204,412.24 * $0 charged to MA.
Vice President Corporate Communications	Bruce T. Silverstone	Aquarion Water Company 835 Main St., Bridgeport, CT 06604	$155,164.88 * $0 charged to MA.

Directors*

Names		Addresses	Fees Paid During Year
Howard J. Dunn		Aquarion Water Company 600 Lindley St., Bridgeport, CT 06606	$0
Charles V. Firlotte		Aquarion Water Company 835 Main St., Bridgeport, CT 06604	$0
Donald J. Morrissey		Aquarion Water Company 835 Main St., Bridgeport, CT 06604	$0

*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."

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 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	$82,131
Aquarion Water Company of Connecticut	$1,329,483

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

200

Annual Report of Aquarion Water Company of Massachusetts — Year ended December 31, 2012

COMPARATIVE GENERAL BALANCE SHEET

The entries in this balance sheet should be consitent 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	$ 59,858,939	101-113 Plant Investments (p202)	$ 60,794,239	$ 935,300
3	$ 1,848,512	114-119 General Equipment (p202)	$ 2,006,114	$ 157,602
4	$ 83,351	201 Unfinished Construction(p202)	$ 158,525	$ 75,174
5	$ 1,401	202 Miscellaneous Physical Property (p203)	$ 1,401	$ -
6	$ 1,000	203 Other Investments (p203)	$ 7,592	$ 6,592
7	**$ 61,793,203**	**Total Investments**	**$ 62,967,871**	**$ 1,174,668**
8		**CURRENT ASSETS**		
9	$ 44,933	204 Cash	$ 102,498	$ 57,565
10	$ -	205 Special Deposits	$ -	$ -
11	$ -	206 Notes Receivable	$ 300,000	$ 300,000
12	$ 1,030,216	207 Accounts Receivable	$ 1,110,974	$ 80,758
13	$ -	208 Interest and Dividends Receivable	$ -	$ -
14	$ 250,496	209 Materials and Supplies	$ 273,232	$ 22,736
15	$ 2,043,613	210 Other Current Assets	$ 2,098,477	$ 54,864
16	**$ 3,369,258**	**Total Current Assets**	**$ 3,885,181**	**$ 515,923**
17		**RESERVE FUNDS**		
18	$ -	211 Sinking Funds	$ -	$ -
19	$ -	212 Insurance and Other Funds	$ -	$ -
20	**$ -**	**Total Reserve Funds**	**$ -**	**$ -**
21		**PREPAID ACCOUNTS**		
22	$ -	213 Prepaid Insurance	$ -	$ -
23	$ -	214 Prepaid Interest	$ -	$ -
24	$ 36,970	215 Other Prepayments	$ 29,981	$ (6,989)
25	**$ 36,970**	**Total Prepaid Accounts**	**$ 29,981**	**$ (6,989)**
26		**UNADJUSTED DEBITS**		
27	$ 261,421	216 Unamortized Dept Discount Exp (p203)	$ 236,030	$ (25,391)
28	$ -	217 Property Abandoned	$ -	$ -
29	$ 9,223,973	218 Other Unadjusted Debits (p203)	$ 8,139,348	$ (1,084,625)
30	**$ 9,485,394**	**Total Unadjusted Debits**	**$ 8,375,378**	**$ (1,110,015)**
31				
32	**$ 74,684,825**	**GRAND TOTAL**	**$ 75,258,411**	**$ 573,587**

201

Annual Report of Aquarion Water Company of Massachusetts — Year ended December 31, 2012

COMPARATIVE GENERAL BALANCE SHEET

The entries in this balance sheet should be consitent 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	$ 19,633,001	305 Bonds (p. 204)	$ 19,478,898	$ (154,103)
13	$ -	306 Coupon and Long Term Notes (p. 204)	$ -	$ -
14	$ 19,633,001	Total Bonds, Coupon and Long Term Notes	$ 19,478,898	$ (154,103)
15				
16		CURRENT LIABILITIES		
17	$ -	307 Notes Payable (p. 205)	$ -	$ -
18	$ 709,625	308 Accounts Payable	$ 655,088	$ (54,537)
19	$ 854	309 Consumers' Deposits	$ 748	$ (106)
20	$ -	310 Matured Interest Unpaid	$ -	$ -
21	$ -	311 Dividends Declared	$ -	$ -
22	$ -	312 Other Current Liabilities	$ -	$ -
23	$ 710,479	Total Current Liabilities	$ 655,836	$ (54,643)
24				
25		ACCRUED LIABILITIES		
26	$ (91)	313 Tax Liability	$ (91)	$ -
27	$ 143,392	314 Interest Accrued	$ 150,960	$ 7,568
28	$ 91,903	315 Other Accrued Liabilities	$ 102,449	$ 10,546
29	$ 235,205	Total Accrued Liabilities	$ 253,318	$ 18,113
30				
31		UNADJUSTED CREDITS		
32	$ 67,443	316 Premium on Bonds (p. 205)	$ 61,659	$ (5,784)
33	$ 9,642,946	317 Other Unadjusted Credits (p. 205)	$ 9,209,304	$ (433,642)
34				
35	$ 9,710,389	Total Unadjusted Credits	$ 9,270,963	$ (439,426)
36				
37		RESERVES		
38	$ -	318 Insurance and Casualty Reserve	$ -	$ -
39	$ 12,619,838	319 Depreciation Reserve (p. 206)	$ 13,982,671	$ 1,362,832
40	$ 5,237,585	320 Other Reserves	$ 5,187,938	$ (49,647)
41	$ 17,857,423	Total Reserves	$ 19,170,609	$ 1,313,185
42				
43		APPROPRIATED SURPLUS		
44	$ -	321 Sinking Fund Reserves	$ -	$ -
45	$ 12,396,231	323 Contributions for Extensions	$ 12,085,878	$ (310,353)
46	$ 3,844,050	324 Surplus Invested in Plant	$ 3,844,050	$ -
47	$ 16,240,281	Total Appropriated Surplus	$ 15,929,928	$ (310,353)
48				
49	$ 5,405,497	400 Profit and Loss Balance (p. 301) +	$ 5,606,309	$ 200,812
50	$ 21,645,778	Total Corporate Surplus +	$ 21,536,237	$ (109,541)
51	$ 74,684,825	GRAND TOTAL	$ 76,268,411	$ 673,586

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	15,671,009	7,506	(2,834)	(83,451)	15,592,230
8	Pumping Plant Equipment	1,370,824	132,163	(11,079)	(4,531)	1,487,376
9	Misc. Pumping Plant Equipment	178,836	-	(54,359)	-	124,477
10	Purification System	2,618,095	31,668	(1,486)	(48,025)	2,600,250
11	Trans'n and Dist'n Mains	29,159,494	763,309	(17,693)	(171,523)	29,733,588
12	Services	6,592,032	245,614	(23,328)	-	6,814,318
13	Consumers' Meters	2,056,050	213,628	(69,178)	-	2,200,500
14	Consumers' Meter Installation	672,540	-	-	-	672,540
15	Hydrants	453,445	31,745	(2,845)	-	482,346
16	Fire Cist'ns, Basins, Fount'ns				-	-
17	Water Rights				-	-
18	Other Trans'n & Dist'n Plant	760,174	-	-	-	760,174
19	Miscellaneous Expenditures				-	-
20	**Total Plant Investment**	**59,776,344**	**1,425,635**	**(182,805)**	**(307,530)**	**60,711,644**
21	**GENERAL EQUIPMENT**					
22	Office Equipment	513,057	16,695	-	-	529,752
23	Shop Equipment	308,702	9,956	(276)	-	318,382
24	Stores Equipment	78,133	53,923	-	-	132,056
25	Transportation Equipment	549,429	111,178	(38,649)	-	621,958
26	Laboratory Equipment	52,792	-	-	-	52,792
27	Miscellaneous Equipment	346,399	4,775	-	-	351,174
28	**Total General Equipment**	**1,848,512**	**196,527**	**(38,925)**	-	**2,006,114**
29	Unfinished Construction	83,351	1,389,806	-	(1,314,632)	158,525
30	**Total Cost of All Property**	**61,790,801**	**3,011,968**	**(221,730)**	**(1,622,162)**	**62,958,877**
31	Assessed Value of Real Estate	15,914,853	7,506	(2,834)	(83,451)	15,836,075
32	Assessed Value of Other Property	45,710,003	1,614,656	(218,896)	(224,079)	46,881,684
33	**Total Assessed Value**	**61,624,857**	**1,622,162**	**(221,730)**	**(307,530)**	**62,717,758**

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)	Net 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	$1,000.00	$6,592.00		$7,592.00
7					
8					
9					
				Total	$7,592.00

UNAMORTIZED DEBT DISCOUNT AND EXPENSE

Give an analysis of the respondent's accoddiscount 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%	$ 35,248		$ 2,958	$ 32,290
11	General Mtg Bonds 9.64%	$ 21,484		$ 2,148	$ 19,335
12	MA Water Pollution Abatement Trust Loan - 0.0%	$ 34,580		$ 2,985	$ 31,595
13	CoBank, ACB Swap 4.11%	$ 170,110	$ -	$ 17,299	$ 152,811
14					
15	TOTALS	$ 99,403	$ -	$ 25,391	$ 235,030

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	$ 1,465	$ -	$ 1,465	$ 0
17	Deferred Taxes	$ 355,898	$ -	$ 215	$ 355,683
18	Deferred Pension	$ 1,001,097	$ 216,373	$ 218,449	$ 999,020
19	Deferred FAS 106	$ 827,140	$ 54,706	$ 190,676	$ 691,170
20	Deferred Rate Proceedings	$ 633,450	$ 53,843	$ 365,291	$ 322,003
21	Deferred Perchlorate Costs	$ 16,417	$ -	$ 3,883	$ 12,554
22	Additional Security Costs	$ 175,654	$ -	$ 41,330	$ 134,324
23	FAS 158 Deferred Debits	$ 6,141,588	$ -	$ 775,328	$ 5,366,260
24	Deferred Well Maintenance	$ 71,263	$ 11,487	$ 20,700	$ 62,049
25	Deferred Town of Oxford - Litigation Costs	$ -	$ 254,443	$ 68,158	$ 186,285
26	Other Deferred Debits	$ -	$ -	$ -	$ -
27					
28					
29					
30					
31					
32					
33					
34					
35	TOTALS	$ 9,223,972	$ 590,852	$ 1,675,476	$ 8,139,348

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 OBLIGATIOI (a)	Date of Issue (b)	Date of Maturity (c)	Par Value Authorized (d)	Par Value Actually Outstanding at End of Year (e)	INTEREST PROVISIONS Rate Per Cent (f)	Dates Due (g)	Interest Accrued During Year Charged to Income (h)	Interest Paid During Year (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	$ 2,078,898	$ 2,078,898	0.00%	-	$ -	$ -
10	General Mortgage - swap loan	11/11	11/21	$ 9,000,000	$ 9,000,000	4.11%	Feb/May/Aug/Nov	$ 376,440	$ 368,872
11	**Total Bonds**			**$ 19,478,898**	**$ 19,478,898**			**$ 1,051,100**	**$ 1,043,532**
12	Coupon and Long Term Notes:								
13									
14									
15									
16									
17	Total Coupon & Long Term Notes								
18		Grand Total					Totals	$ 1,051,100	$ 1,043,532

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					$ 61,659
10						
11						
12		TOTALS				$ 61,659

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		$ 372,745
14	Deferred OPEB		$ 3,051,134
15	Deferred Pension		$ 5,240,211
16	Unrealized loss on swap		$ 545,214
17			
18			
19			
20			
21			
22			
23		Total	$ 9,209,304

206

Annual Report of Aquarion Water Company of Massachusetts — Year Ended December 31, 2012

DEPRECIATION RESERVE

Line No.	(a)	Amount (b)
1	**Balance at beginning of year**	12,619,838
2	Credits to Depreciation Reserve during year:	
3	Account 610-10 Depreciation	1,574,533
4	Other Accounts (Specify):	
5	Loss of Disposition of Assets	
6	Depreciation charged to contributed property schedule	
7	Rate Case adjustment to accumulated depreciation per Docket No. - D.P.U. 11-	(7,915)
8	**CHARGES DURING YEAR**	**1,566,618**
9	Net Charges for Plant Retired:	
10	Book Cost of Plant Retired	221,730
11	Cost of Removal	-
12	Salvage (credit in red)	(17,945)
13	**NET CHARGES DURING YEAR**	**203,785**
14	**Balance at end of year**	**13,982,671**

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		

301

Annual Report of Aquarion Water Company of Massachusetts — Year ended December 31, 2012

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)	$ 16,084,945	$ 1,206,882
3	600	Operating Expenses (p. 303)	$ 13,093,552	$ 1,595,342
4		**Net Operating Revenues**	$ 2,991,393	$ (388,460)
5	550	Uncollectible Operating Revenues	$ 29,361	$ 11,143
6	551	Taxes (p. 303B)	$ 1,268,911	$ (359,703)
7		**Net Operating Income**	$ 1,693,121	$ (39,900)
8		**NON-OPERATING INCOME**		
9	560	Mdse. and Jobbing Revenue*	$ 47,600	$ 8,658
10	561	Rent from Appliances	$ -	$ -
11	562	Miscellaneous Rent Income	$ -	$ -
12	563	Interest and Dividend Income	$ -	$ -
13	564	MWPAT Loan - Net Subsidy	$ 4,386	$ 3,940
14	565	MWPAT Amortization of Debt Premium	$ 5,784	$ -
15	566	Miscellaneous Non-operating Income	$ 96,830	$ 56,197
16		**Total Non-operating Income**	$ 154,600	$ 68,795
17		**GROSS INCOME**	$ 1,847,721	$ 28,895
18		**DEDUCTIONS FROM GROSS INCOME**		
19	575	Miscellaneous Rents	$ -	$ -
20	576	Interest on Bonds and Coupon Notes	$ 1,075,959	$ 122,470
21	577	Miscellaneous Interest Deductions	$ -	$ -
22	578	Amortization of Discount (p. 203)	$ 25,391	$ 14,416
23	579	Miscellaneous Deductions from Income	$ 319,229	$ 295,268
24		**Total Deductions from Gross Income**	$ 1,420,579	$ 432,154
24		**Income Balance transferred to Profit and Loss**	$ 427,142	$ (403,259)

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)		$ 5,405,497
28	402	Credit Balance transferred from Income Acct. (p.301)		$ 427,142
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	$ 226,330	
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		$ 226,330
		TOTALS		$ 5,606,309

(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.

OPERATING REVENUES

State the operating revenues of the respondent for the year ended December 31, 2011, classified in accordance with the Uniform System of Accounts.

Line No.	Acc't No.	CLASS OF WATER OPERATING REVENUE	Amount of Revenue for Year	Comparison with Previous Year
1		REVENUES FROM SALE OF WATER		
2	501	Metered Sales to General Consumers	$ 14,557,578	$ 1,091,875
3	502	Flat-rate Sales to General Consumers	$ 605,422	$ 44,102
4	503	Sales to Other Water Companies	$ -	$ -
5	504	Municipal Hydrants	$ 884,532	$ 74,764
6	505	Miscellaneous Municipal Revenues	$ -	$ -
7		**Total Revenues from Water Operations**	**$ 16,047,532**	**$ 1,210,741**
8		MISCELLANEOUS REVENUES		
9	506	Rent from Property used in Operation	$ -	$ -
10	507	Miscellaneous Operating Revenues	$ 37,413	$ (3,859)
11		**Total Revenues from Miscellaneous Operatio**	**$ 37,413**	**$ (3,859)**
12		**Total Operating Revenues**	**$ 16,084,945**	**$ 1,206,882**

DIVIDENDS DECLARED DURING THE YEAR

Give particulars of dividends on each class of stock during the year, and charged to Profit and Loss. This schedule shall include only dividends that have been declared by the Board of Directors during the fiscal year.

Line No.	NAME OF SECURITY ON WHICH DIVIDEND WAS DECLARED (a)	RATE PER CENT Regular (b)	RATE PER CENT Extra (c)	Amount of Capital Stock on which Dividend was Declared (d)	Amount of Dividend (e)	DATE Declared	DATE Payable
13	Common Stock				$ -		
14							
15							
16							
17							
19							
20							
21							
22							
23							
24	**Totals**				$ -		

303

Annual Report of Aquarion Water Company of Massachusetts — Year ended December 31, 2012

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		SOURCE OF WATER SUPPLY EXPENSES		
2	601-1	Maintenance of Water Supply Buildings and Fixtures	$ 41,330	$ (745)
3	601-2	Maintenance of Surface Source of Supply Facilities	$ -	$ -
4	601-3	Maintenance of Ground Source of Water Supply	$ 88,691	$ 4,668
5		**Total Source of Water Supply Expenses**	**$ 130,021**	**$ 3,923**
6	602	**Water Purchased for Resale**	**$ 11,965**	**$ (7,872)**
7		PUMPING EXPENSES		
8	603-1	Pumping Labor	$ 130,357	$ 6,349
9	603-2	Boiler Fuel	$ -	$ -
10	603-3	Water for Steam	$ -	$ -
11	603-4	Electric Power Purchased	$ 608,432	$ (2,878)
12	603-5	Miscellaneous Pumping Station Supplies and Expenses	$ 163,481	$ 21,222
13	604-1	Maintenance Power Pumping Buildings and Fixtures	$ 26,056	$ (247)
14	604-2	Maintenance of Pumping Equipment	$ 133,355	$ 30,069
15	604-3	Maintenance of Miscellaneous Pumping Plant Equipment	$ -	$ -
16		**Total Pumping Expenses**	**$ 1,061,681**	**$ 54,515**
17		PURIFICATION EXPENSES		
18	605-1	Purification Labor	$ 267,260	$ 37,277
19	605-2	Purification Supplies and Expenses	$ 3,896,925	$ (170,759)
20	606-1	Maintenance of Purification Buildings and Fixtures	$ 46,136	$ 9,014
21	606-2	Maintenance of Purification Equipment	$ 236,529	$ 61,011
22		**Total Purification Expenses**	**$ 4,446,850**	**$ (63,457)**
23		TRANSMISSION AND DISTRIBUTION EXPENSES		
24	607	Inspecting Customers' Installation	$ 15,069	$ (7,343)
25	608	Miscellaneous Trans. and Dist, Supplies and Expenses	$ 467,063	$ 27,756
26	609-1	Maintenance of Trans. and Dist. Buildings and Fixtures	$ 3,284	$ (3,509)
27	609-2	Maintenance of Trans. and Dist. Mains	$ 416,416	$ 94,450
28	609-3	Maintenance of Storage, Reservoirs, Tanks and Standpipes	$ 3,822	$ (664)
29	609-4	Maintenance of Services	$ 150,215	$ (28,459)
30	609-5	Maintenance of Meters	$ 86,082	$ 6,061
31	609-6	Maintenance of Hydrants	$ 11,172	$ 3,006
32	609-7	Maintenance of Fountains and Troughs	$ -	$ -
33		**Total Trans. and Dist. Expenses**	**$ 1,152,123**	**$ 91,298**
34		GENERAL AND MISCELLANEOUS EXPENSES		
35	610-1	Salaries of General Officers and Clerks	$ 521,396	$ 40,835
36	610-2	General Office Supplies and Expenses	$ 2,084,308	$ 381,509
37	610-3	Law Expense - General	$ 292,536	$ 127,930
38	610-4	Insurance	$ 956,643	$ 92,408
39	610-5	Accidents and Damages	$ -	$ -
40	610-6	Store Expenses	$ -	$ -
41	610-7	Transportation Expenses	$ 32,228	$ (3,849)
42	610-8	Inventory Adjustments	$ -	$ -
43	610-9	Maintenance of General Structures	$ -	$ -
44	610-10	Depreciation	$ 1,377,547	$ 195,725
45	610-11	Miscellaneous General Expenses	$ 1,026,264	$ 682,377
46		**Total General and Miscellaneous Expenses**	**$ 6,290,912**	**$ 1,516,935**
47		**GRAND TOTAL OPERATING EXPENSES**	**$ 13,093,552**	**$ 1,595,342**

303B

Annual Report of Aquarion Water Company of Massachusetts — Year ended December 31, 2012

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	$ 41,576			$ 41,576
49	FICA	$ 152,630			$ 152,630
50	FUTA	$ 944			$ 944
51	Property Tax			$ 1,059,511	$ 1,059,511
52	SUTA		$ 4,779		$ 4,779
53	SIT		$ 9,471		$ 9,471
54	Other General Taxes			$ -	$ -
55					
56					
57					
58					
59					
60	**TOTALS**	**$ 195,150**	**$ 14,250**	**$ 1,059,511**	**$ 1,268,911**

400

Annual report of Aquarion Water Company of Massachusetts — Year ended December 31, 2012

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

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

Annual report of Aquarion Water Company of Massachusetts — Year ended December 31, 2012

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

	Area		When Bought	Cost
A	9.04 Acres		1906	$4,312
B	1.00 Acre		1907	$319
C	13.30 Acres		1944	$438
D	0.52 Acres		1957	$6,527
E	25.70 Acres		1958 - 1959	$16,338

2. Buildings owned by the Company

	Location		Use	
A	North Main Street Oxford, Massachusetts		Pump Station	
B	North Main Street Oxford, Massachusetts		Pump Station	
C	Off Nelson Street Oxford, Massachusetts		Pump Station	
D	Sutton Ave. Oxford, Massachusetts		Booster Pump Station	

	Size	Material	When Built	Cost
A	20' x 17'	Cement Block	1959	
B	20' x 17'	Cement Block	1959	
C	16' x 10' x 19'9"	Cement Block	1959-64-67	
D	12' x 20'	Prefab. Metal	1999	

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

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	67.79 acres	1902, 04, 06, 23	Included on page 400
B. Accord Pond	40.916 acres	1882, 85-87	

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, 2012

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.

SUPPLY INFORMATION - Millbury

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 reguarding each of these sources of supply.

Water is supplies from four wells all owned by the Company. All are approved public drinking water sources according to Massachusetts DEP.

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	

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.

Water registration for withdrawal of water issued by Commonwealth of Massachusetts in 1988 and renewed in 1998 and 2008.

SUPPLY INFORMATION - Oxford

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 reguarding each of these sources of supply.

The responent owns three gravel packed wells. All wells are approved for use as public water supply sources of the Massachusetts DEP.

2. Watersheds owned by the Company

Location	Area	When Bought	Cost
A.			
B.			
C.			
D.			

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.

Water registration for withdrawal of water issued by Commonwealth of Massachusetts in 1988 and renewed in 1998 and 2008.

SUPPLY INFORMATION - Continued - Hingham

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	
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	Combined
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	$265,151
J. Fulling Mill Well #1	12"	48'	Covered	2008	$244,244
K. Fulling Mill Well #2	12"	42'	Covered	2008	$222,268
L. Scotland St. Well #1A	18"	58'	Covered	2008	$348,459

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 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 increasing the capacity; and give the character of construction of any dams.

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 Distrcit Water Treatment Facility for treatment.

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.

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	$11,681
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 increasing the capacity; and give the character of construction of any dams.

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	$269,981
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 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.

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

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

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							

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	*

	For Gas, Gasoline or Oil	Number of Cyls.	Single or Double Acting	Dimensions of Cylinders: Diameter	Dimensions of Cylinders: 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 SWITHCES

	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

Pumping Information - Continued Millbury

6. Gas Producers

This schedule not presently used

7. Internal combustion engines.

	Location	Name of Builder	When Installed	Type of Drive	Cost
A	Jacques Well Station #1	Kohler	2010	Generator	
B	Jacques Well Station #2	Kohler	2006	Generator	
C	Oak Pond Well	Cummings	1988	Generator	
D	Sutton Road Booster	Kohler	1994	Generator	
E	Brierly Pond Booster	Generac	2003	Generator	

	For Gas, Gasoline or Oil	Number of Cyls.	Single or Double Acting	Dimensions of Cylinders		2 or 4 Stroke Cycle	Rated H.P.
				Diameter	Stroke		
A	Fuel Oil	4	Single	4.19	5	4	158
B	Fuel Oil	6	Single	4	4 3/8	4	125
C	L.P. Gas	6	Double	5 1/4	15-24 centimeter	4	175
D	L.P. Gas	4	Single	4	5	4	150
E	Gas	8	Double	5 1/4	5	4	175

8. ELECTRIC MOTORS, INCLUDING COST OF WIRING SWITHCES

	Location	Name of Builder	When Installed	Cost
A	Jacques Well Station #1	U.S. Electric	2005	
B	Jacques Well Station #2	U.S. Electric	2005	
C	Oak Pond	U.S. Electric	2008	
D	Sutton Rd. Booster	EFI	1993	
E	Brierly Pond Booster	U.S. Electric	2003	
F	Brierly Pond Booster	U.S. Electric	2003	
G	Brierly Pond Booster	U.S. Electric	2003	
H	Brierly Pond Booster	U.S. Electric	2003	
I	Brierly Pond Booster	U.S. Electric	2003	

	A.C. or D.C. if A.C. Give Phase	Volts	Type of Drive	Rated H.P.
A	A.C. 3 Phase	230/460	Direct	60
B	A.C. 3 Phase	230/460	Direct	60
C	A.C. 3 Phase	230/460	Direct	100
D	A.C. 3 Phase	230/460	Direct	60
E	A.C. 3 Phase	230/460	Direct	40
F	A.C. 3 Phase	230/460	Direct	10
G	A.C. 3 Phase	230/460	Direct	10
H	A.C. 3 Phase	230/460	Direct	5
I	A.C. 3 Phase	230/460	Direct	5
			Total Horse Power	350

Pumping Information - Continued Oxford

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	Koehler	2012	Generator	
B	#2 North Main Street	Koehler	2012	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.
				Diameter	Stroke		
A	Fuel Oil	4	Double	4.19	5	4	197
B	Diesel	4	Double	4.19	5	4	125
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 SWITHCES

	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

Pumping Information - Continued. - Hingham

9. Water Wheels and Turbines

	Location	Name of Builder	When Installed	Cost
A.				
B.	NONE			
C.				
D.				

	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

Pumping Information - Continued. - Millbury

9. Water Wheels and Turbines

	Location	Name of Builder	When Installed	Cost
A.	NONE			
B.				
C.				
D.				

	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

Pumping Information - Continued. - Oxford

9. Water Wheels and Turbines

	Location	Name of Builder	When Installed	Cost
A.	NONE			
B.				
C.				
D.				

	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

Pumping Information - Continued Hingham

11. Station log System Delivery Summary - Hingham/Hull District Water Treatment Facility Only

Year and Month 2012	Kwhrs Used	Pounds of coal Burned	Million Gallons of Water Pumped	Hours of Pumping		Average Total Static Head	Average Total Dynamic Head
January	150,500		81.023	744			
February	123,900		72.496	696			
March	121,100		79.077	744			
April	151,200		91.341	720			
May	131,950		109.667	744			
June	167,650		116.535	720			
July	201,250		147.889	744			
August	167,650		127.002	744			
September	151,200		104.704	720			
October	174,300		85.278	744			
November	132,650		78.893	720			
December	141,400		81.117	744			
Totals	1,814,750	0	1,175.022	8,784	0	0	0

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

13. Average gallons per day 3.210 MG (366 days)

14. Maximum gallons pumped in a day 5.669 MG

15. Date of same, 16-Jul-12

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, 2012
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	$ 0.14000	
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	1,814,750 Kwhrs	

Pumping Information - Continued Hingham

11. Station log Accord Pond to Water Treatment Facility

Year and Month 2012	Kwhrs Used	Pounds of coal Burned	Million Gallons of Water Pumped	Hours of Pumping		Average Total Static Head	Average Total Dynamic Head
January	6,765		27.064	744			
February	5,224		21.248	696			
March	4,064		20.827	744			
April	3,958		24.989	720			
May	2,638		28.361	744			
June	6,590		23.311	696			
July	11,576		31.520	744			
August	8,632		32.602	744			
September	8,199		22.422	720			
October	7,494		16.144	744			
November	5,189		7.641	720			
December	5,833		11.321	720			
Totals	76,162	0	267.450	8,736	0	0	0

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

13. Average gallons per day 0.731 MG (366 days)

14. Maximum gallons pumped in a day 2.02 MG

15. Date of same, 20-Jul-12

16. Range of pressure in main 5-10 psi

17. Average pressure in main 10 psi

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	$ 0.1500
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	76,162 Kwhrs

Pumping Information - Continued Hingham

11. Station log Fulling Mill Well 1 to Water Treatment Facility

Year and Month 2012	Kwhrs Used	Pounds of coal Burned	Million Gallons of Water Pumped	Hours of Pumping		Average Total Static Head	Average Total Dynamic Head
January	24,695		12.198	744			
February	20,815		11.307	696			
March	18,104		11.873	744			
April	21,349		11.233	720			
May	15,892		11.457	744			
June	18,595		11.683	720			
July	21,108		13.784	744			
August	20,442		12.613	744			
September	22,861		11.779	720			
October	18,612		11.633	744			
November	21,188		12.898	720			
December	25,023		13.530	744			
Totals	248,684	0	145.988	8,764	0	0	0

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

13. Average gallons per day 0.399 MG (366 days)

14. Maximum gallons pumped in a day 0.582 MG

15. Date of same, 31-May-12

16. Range of pressure in main 35-45 psi

17. Average pressure in main 40 psi

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	$ 0.1400
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	248,684 Kwhrs

Pumping Information - Continued Hingham

11. Station log Fulling Mill Well 2 to Water Treatment Facility

Year and Month 2012	Kwhrs Used	Pounds of coal Burned	Million Gallons of Water Pumped	Hours of Pumping		Average Total Static Head	Average Total Dynamic Head
January			9.627	744			
February			8.702	696			
March			8.985	744			
April			8.597	720			
May			8.716	744			
June			7.895	720			
July			8.842	744			
August			8.688	744			
September			5.302	720			
October			4.669	744			
November			4.662	720			
December			4.689	744			
Totals	0	0	85.372	8,784	0	0	0

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

13. Average gallons per day 0.233 MG (366 days)

14. Maximum gallons pumped in a day 0.338 MG

15. Date of same, 31-May-12

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, 2012
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

28. 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

Pumping Information - Continued Hingham

11. Station log Scotland St to Water Treatment Facility

Year and Month 2012	Kwhrs Used	Pounds of coal Burned	Million Gallons of Water Pumped	Hours of Pumping		Average Total Static Head	Average Total Dynamic Head
January	3,583		4.915	672			
February	3,138		9.618	696			
March	4,464		9.561	720			
April	8,991		13.187	720			
May	7,486		13.368	744			
June	6,736		9.606	648			
July	11,842		11.206	744			
August	6,779		9.182	696			
September	6,448		8.619	720			
October	7,523		9.202	696			
November	7,959		11.838	720			
December	8,904		8.759	576			
Totals	83,851	0	119.061	8,352	0	0	0

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

13. Average gallons per day 0.325 MG (366 days)

14. Maximum gallons pumped in a day 0.953 MG

15. Date of same, 21-Jun-12

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, 2012
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	$ 0.1500	
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	83,851 Kwhrs	

Pumping Information - Continued Hingham

11. Station log Downing Street Well

Year and Month 2012	Kwhrs Used	Pounds of coal Burned	Million Gallons of Water Pumped	Hours of Pumping		Average Total Static Head	Average Total Dynamic Head
January	1,338		0.000	0			
February	2,053		0.000	0			
March	1,583		0.000	0			
April	1,201		0.000	0			
May	811		0.000	0			
June	525		0.000	0			
July	451		0.000	0			
August	894		0.000	0			
September	546		0.000	0			
October	1,397		0.000	0			
November	1,443		0.000	0			
December	1,896		0.000	0			
Totals	14,138	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 (366 days)

14. Maximum gallons pumped in a day 0 MG

15. Date of same,

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, 2012
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	$ 0.1500	
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	14,138 Kwhrs	

Annual report of Aquarion Water Company of Massachusetts — Year ended December 31, 2012

Pumping Information - Continued Hingham

11. Station log — Prospect Street to Water Treatment Facility

Year and Month 2012	Kwhrs Used	Pounds of coal Burned	Million Gallons of Water Pumped	Hours of Pumping		Average Total Static Head	Average Total Dynamic Head
January	3,635		6.618	720			
February	3,332		7.132	696			
March	3,046		8.108	744			
April	3,974		7.892	720			
May	3,063		7.589	744			
June	2,300		4.533	672			
July	2,715		4.234	720			
August	2,073		4.654	744			
September	1,644		3.948	672			
October	2,606		6.702	696			
November	3,059		7.691	720			
December	3,540		7.613	744			
Totals	35,387		76.714	8,592	0	0	0

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

13. Average gallons per day — 0.210 MG (366 days)

14. Maximum gallons pumped in a day — 0.467 MG

15. Date of same, — 7-Apr-12

16. Range of pressure in main — 5-10 psi

17. Average pressure in main — 10 psi

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	$ 0.1500
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	35,387 Kwhrs

Pumping Information - Continued Hingham

11. Station log Free Street #2 to Water Treatment Facility

Year and Month 2012	Kwhrs Used	Pounds of coal Burned	Million Gallons of Water Pumped	Hours of Pumping		Average Total Static Head	Average Total Dynamic Head
January	0		0.000	0			
February	0		0.000	0			
March	0		0.000	0			
April	0		0.000	0			
May	0		0.000	0			
June	0		0.000	0			
July	0		0.000	0			
August	0		0.000	0			
September	0		0.000	0			
October	0		0.000	0			
November	0		0.000	0			
December	0		0.000	0			
Totals	0	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 (366 days)

14. Maximum gallons pumped in a day 0 MG

15. Date of same,

16. Range of pressure in main 50-60 psi

17. Average pressure in main 55 psi

408	Free Street #2 to Water Treatment Facility	
Annual report of Aquarion Water Company of Massachusetts		Year ended December 31, 2012
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	

Pumping Information - Continued Hingham

11. Station log Free Street #3 & #5 to Water Treatment Facility

Year and Month 2012	Kwhrs Used	Pounds of coal Burned	Million Gallons of Water Pumped	Hours of Pumping		Average Total Static Head	Average Total Dynamic Head
January	25,880		0.000	0			
February	18,360		0.000	0			
March	21,480		0.000	0			
April	24,760		0.000	0			
May	23,120		0.000	0			
June	31,200		1.049	144			
July	60,680		5.951	600			
August	30,520		0.594	96			
September	31,440		0.981	216			
October	36,400		5.674	504			
November	39,400		9.620	720			
December	41,920		10.511	744			
Totals	385,160	0	34.280	3,024	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 0.094 MG (368 days)

14. Maximum gallons pumped in a day 0.384 MG

15. Date of same, 6-Dec-12

16. Range of pressure in main 50 -60 psi

17. Average pressure in main 55 psi

403	Free Street #3 & #5 to Water Treatment Facility	
Annual report of Aquarion Water Company of Massachusetts		Year ended December 31, 2012
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	$ 0.1200	
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	385,160 Kwhrs	

150

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, 2012

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

Pumping Information - Continued Hingham

11. Station log Free Street #2A to Water Treatment Facility

Year and Month 2012	Kwhrs Used	Pounds of coal Burned	Million Gallons of Water Pumped	Hours of Pumping		Average Total Static Head	Average Total Dynamic Head
January	1,680		0.000	0			
February	1,470		0.000	0			
March	1,470		0.000	0			
April	4,200		8.194	360			
May	16,590		22.810	744			
June	25,410		23.809	720			
July	35,700		27.017	744			
August	26,880		22.958	744			
September	18,900		9.839	360			
October	630		0.000	0			
November	1,050		0.000	0			
December	1,470		0.000	0			
Totals	135,450	0	114.627	3,672	0	0	0

12. Based upon the displacement of_____gallons per revolution with_____per cent allowance for slip____

13. Average gallons per day 0.313 MG (366 days)

14. Maximum gallons pumped in a day 1.014 MG

15. Date of same, 6-Aug-12

16. Range of pressure in main 50-60 psi

17. Average pressure in main 55 psi

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	$ 0.3600
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	135,450 Kwhrs

Annual report of Aquarion Water Company of Massachusetts — Year ended December 31, 2012

Pumping Information - Continued Hingham

11. Station log — Free Street #4 to Water Treatment Facility

Year and Month 2012	Kwhrs Used	Pounds of coal Burned	Million Gallons of Water Pumped	Hours of Pumping		Average Total Static Head	Average Total Dynamic Head
January			24.744	744			
February			22.638	696			
March			23.932	744			
April			21.847	720			
May			23.334	744			
June			22.914	720			
July			27.168	744			
August			23.274	744			
September			22.888	720			
October			24.407	744			
November			23.361	720			
December			23.967	744			
Totals	0	0	284.474	8,784	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 — 0.777 MG (366 days)

14. Maximum gallons pumped in a day — 1.342 MG

15. Date of same, — 17-Jul-12

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, 2012
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	

Pumping Information - Continued Millbury

11. Station Log Total System

Year and Month 2012	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	99,320	0.000	41.828	1,830	41.828		
February	92,510	0.000	41.498	1,921	41.498		
March	80,460	0.000	37.027	1,744	37.027		
April	89,450	0.000	47.634	2,208	47.634		
May	81,470	0.000	50.592	2,081	50.592		
June	100,090	0.000	50.618	1,988	50.618		
July	92,650	0.000	59.015	2,580	59.015		
August	107,650	0.000	52.290	2,258	52.290		
September	108,140	0.000	51.223	1,730	51.223		
October	93,010	0.000	48.851	1,580	48.851		
November	86,670	0.000	44.949	1,505	44.949		
December	81,970	1.978	43.193	1,564	45.171		
Totals	1,113,290	1.978	568.718	22,987	570.698	0	0

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

13. Average gallons per day 1.559 MG (366 days)

14. Maximum gallons pumped in a day 2.589 MG

15. Date of same, 15-Jul-12

16. Range of pressure in main 21 lbs to 125 lbs

17. Average pressure in main 73 lbs per sq in

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	$ 0.1289
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	1,113,290 Kwhrs

Pumping Information - Continued Millbury

11. Station Log Millbury Ave. Station

Year and Month 2012	Kwhrs Used	Pounds of coal Burned	Million Gallons of Water Pumped	Hours of Pumping		Average Total Static Head	Average Total Dynamic Head
January	25,500		13.263	320			
February	26,000		4.742	114			
March	16,600		1.066	27			
April	3,400		2.326	56			
May	6,500		13.959	340			
June	28,000		8.343	209			
July	16,200		13.007	330			
August	25,700		6.940	215			
September	20,200		7.926	197			
October	16,700		8.580	207			
November	17,100		8.079	204			
December	18,800		5.063	129			
Totals	220,700	0	93.294	2,348	0	0	0

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

13. Average gallons per day 0.255 MG (366 days)

14. Maximum gallons pumped in a day 1.176 MG

15. Date of same, 8-May-12

16. Range of pressure in main 21 lbs to 125 lbs

17. Average pressure in main 73 lbs per sq in

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	$ 0.1412
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	220,700 Kwhrs

Pumping Information - Continued Millbury

11. Station Log Oak Pond Station

Year and Month 2012	Kwhrs Used	Pounds of coal Burned	Million Gallons of Water Pumped	Hours of Pumping		Average Total Static Head	Average Total Dynamic Head
January	14,720		0.000	0			
February	3,360		10.602	397			
March	7,360		9.802	354			
April	22,400		18.691	696			
May	19,520		15.799	585			
June	23,040		18.514	692			
July	25,600		20.185	748			
August	27,200		19.405	718			
September	28,640		19.539	725			
October	27,360		16.227	623			
November	28,320		13.779	579			
December	21,920		14.543	686			
Totals	249,440	0	177.086	6,803	0	0	0

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

13. Average gallons per day 0.484 MG (366 days)

14. Maximum gallons pumped in a day 0.822 MG

15. Date of same, 12-Aug-12

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, 2012
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	$ 0.1167	
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	249,440 Kwhrs	

Pumping Information - Continued Millbury

11. Station Log Jacques #1 N. Main St. Station

Year and Month 2012	Kwhrs Used	Pounds of coal Burned	Million Gallons of Water Pumped	Hours of Pumping		Average Total Static Head	Average Total Dynamic Head
January	31,300		16.391	754			
February	30,850		15.151	705			
March	28,150		16.896	740			
April	32,600		15.707	728			
May	30,050		11.933	578			
June	24,750		16.600	724			
July	29,250		16.628	750			
August	33,450		16.393	749			
September	35,750		22.945	731			
October	34,600		24.044	750			
November	39,900		23.091	722			
December	39,900		23.587	749			
Totals	390,550	0	223.366	8,680	0	0	0

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

13. Average gallons per day 0.610 MG (366 days)

14. Maximum gallons pumped in a day 0.98 MG

15. Date of same, 5-Aug-12

16. Range of pressure in main 21 lbs to 125 lbs

17. Average pressure in main 73 lbs per sq in

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	$ 0.1148
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	390,550 Kwhrs

Pumping Information - Continued Millbury

11. Station Log Jacques #2 N. Main St. Station

Year and Month 2012	Kwhrs Used	Pounds of coal Burned	Million Gallons of Water Pumped	Hours of Pumping		Average Total Static Head	Average Total Dynamic Head
January	27,800		12.174	756			
February	32,300		11.003	705			
March	28,350		9.263	623			
April	31,050		10.910	728			
May	25,400		8.901	578			
June	24,300		5.161	361			
July	21,600		9.195	752			
August	21,300		7.552	576			
September	23,550		0.813	77			
October	14,350		0.000	0			
November	1,250		0.000	0			
December	1,350		0.000	0			
Totals	252,600	0	74.972	5,156	0	0	0

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

13. Average gallons per day 0.205 MG (366 days)

14. Maximum gallons pumped in a day 0.493 MG

15. Date of same, 1-Jan-12

16. Range of pressure in main 21 lbs to 125 lbs

17. Average pressure in main 73 lbs per sq in

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	$ 0.1522
26. 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	252,600 Kwhrs

Pumping Information - Continued Oxford

11. Station Log Total System

Year and Month 2012	Kwhrs Used	Pounds of coal Burned	Million Gallons of Water Pumped	Hours of Pumping		Average Total Static Head	Average Total Dynamic Head
January	37,120		17.816	1,097			
February	39,000		16.845	1,025			
March	40,000		18.718	1,154			
April	45,080		21.734	1,240			
May	41,000		23.304	1,259			
June	48,840		23.535	1,246			
July	47,720		25.455	1,420			
August	53,360		22.431	1,259			
September	57,720		20.194	1,226			
October	36,360		18.105	1,062			
November	39,000		16.458	916			
December	35,400		17.635	973			
Totals	520,600	0	242.230	13,877	0	0	0

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

13. Average gallons per day 0.662 MG (366 days)

14. Maximum gallons pumped in a day 1.167 MG

15. Date of same, 15-Jul-12

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, 2012
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	$ 0.1205	
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	520,600 Kwhrs	

Pumping Information - Continued Oxford

11. Station Log North Main St. Well #1

Year and Month 2012	Kwhrs Used	Pounds of coal Burned	Million Gallons of Water Pumped	Hours of Pumping		Average Total Static Head	Average Total Dynamic Head
January	7,200		0.000	0			
February	10,200		0.000	0			
March	13,600		0.000	0			
April	16,600		0.000	0			
May	13,000		0.000	0			
June	21,000		0.160	9			
July	21,000		0.089	5			
August	26,800		0.042	3			
September	29,400		0.000	0			
October	13,000		0.000	0			
November	13,400		0.000	0			
December	10,600		0.000	0			
Totals	195,800	0	0.291	17	0	0	0

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

13. Average gallons per day 0.001 MG (366 days)

14. Maximum gallons pumped in a day 0.108 MG

15. Date of same, 20-Jun-12

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, 2012
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	$ 0.1304	
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	195,800 Stations 1, 1A & 2	Kwhrs

Pumping Information - Continued Oxford

11. Station Log North Main St. Well #1A

Year and Month 2012	Kwhrs Used	Pounds of coal Burned	Million Gallons of Water Pumped	Hours of Pumping		Average Total Static Head	Average Total Dynamic Head
January	*		3.192	305			
February	*		2.753	254			
March	*		3.686	330			
April	*		2.425	223			
May	*		0.930	91			
June	*		0.449	44			
July	*		1.252	127			
August	*		1.481	147			
September	*		2.750	277			
October	*		1.216	123			
November	*		0.085	8			
December	*		0.028	3			
Totals	(See station # 1 for totals)		20.247	1,929	0	0	0

12. Based upon the displacement of_____gallons per revolution with_____per cent allowance for slip____

13. Average gallons per day 0.055 MG (366 days)

14. Maximum gallons pumped in a day 0.306 MG

15. Date of same, 10-Apr-12

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, 2012
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

Pumping Information - Continued Oxford

11. Station Log North Main St. Well #2

Year and Month 2012	Kwhrs Used	Pounds of coal Burned	Million Gallons of Water Pumped	Hours of Pumping		Average Total Static Head	Average Total Dynamic Head
January	*		1.156	56			
February	*		1.545	77			
March	*		2.548	132			
April	*		6.081	290			
May	*		8.696	423			
June	*		9.804	473			
July	*		10.596	536			
August	*		9.172	450			
September	*		4.577	223			
October	*		3.935	196			
November	*		3.916	195			
December	*		4.634	223			
Totals	(See station # 1 for totals)		66.659	3,274	0	0	0

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

13. Average gallons per day 0.182 MG (366 days)

14. Maximum gallons pumped in a day 0.599 MG

15. Date of same, 28-May-12

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, 2012
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	

11. Station Log **Nelson St. #3**

Year and Month 2012	Kwhrs Used	Pounds of coal Burned	Million Gallons of Water Pumped	Hours of Pumping		Total Static Head	Average Total Dynamic Head
January	29,920		13.468	736			
February	28,800		12.547	694			
March	26,400		12.464	692			
April	28,480		13.228	727			
May	28,000		13.676	745			
June	27,840		13.122	720			
July	26,720		13.618	752			
August	26,560		11.736	659			
September	28,320		12.867	726			
October	23,360		12.954	743			
November	25,600		12.458	716			
December	24,800		12.973	747			
Totals	324,800	0	155.033	8,657	0	0	0

12. Based upon the displacement of_____gallons per revolution with_____per cent allowance for slip____

13. Average gallons per day 0.424 MG (366 days)

14. Maximum gallons pumped in a day 0.546 MG

15. Date of same, 1-Jul-12

16. Range of pressure in main 46 lbs to 112 lbs

17. Average pressure in main 80 lbs per sq in

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	$ 0.1141	
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	324,800	Kwhrs

409 Hingham

Annual report of Aquarion Water Company of Massachusetts — Year ended December 31, 2012

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
24"	Ductile		10,285				10,285
20"	Lock Joint		13,909				13,909
20"	Cast Iron		26,935				26,935
20"	Cast Iron Cement Lined		277				277
20"	Ductile		10,271				10,271
16"	Lock Joint		112				112
16"	Cast Iron		5,531				5,531
16"	Cast Iron Cement Lined		104				104
16"	Ductile		3,767				3,767
14"	Cast Iron		5,936				5,936
14"	Ductile		110				110
12"	Cast Iron		51,372				51,372
12"	Cast Iron Cement Lined		29,648				29,648
12"	Ductile		45,489			1,245	46,734
12"	Transite		12,602				12,602
10"	Cast Iron		11,459				11,459
8"	Cast Iron		40,531				40,531
8"	Cast Iron Cement Lined		114,469				114,469
8"	Ductile		172,500			1,655	174,155
8"	Transite		45,381				45,381
8"	Steel		70				70
6"	Cast Iron		117,587	308			117,279
6"	Cast Iron Cement Lined		74,764				74,764
6"	Ductile		12,293	996		777	12,074
6"	Transite		89,967				89,967
4"	Cast Iron		31,508				31,508
4"	Cast Iron Cement Lined		77				77
4"	Ductile		12,247				12,247
4"	Galvanized		256				256
4"	Plastic		500				500
3"	Cast Iron		1,323				1,323
3"	Galvanized		82				82
3"	Plastic		525				525
2 1/4"	Cast Iron Cement Lined		38,213				38,213
2"	Steel		400				400
2"	Galvanized		20,810	217			20,593
2"	Plastic		1,272				1,272
1 1/2 "	Galvanized		2,592	143			2,449
1 1/4"	Galvanized		802				802
1"	Plastic		0				0
1"	Copper		339				339
1"	Galvanized		3,831				3,831
3/4"	Galvanized		100				100
3/4"	Copper		49				49
		TOTALS	1,010,295	1,664	0	3,677	1,012,308

2. Cost of repairs per mile of pipe including valves _____

3. Number of leaks in mains, during the year 27

4. Number of leaks per mile 0.1408

5. Length of mains less than 4 inches in diamater 69,978 miles 13.25

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				119,394
6	C.I. & Ductile		66,752	18		26	66,760
4	Cast Iron		1,323				1,323
3	Cast Iron		935				935
2 1/4	Cast Iron		12,751				12,751
2	Cast Iron		3,605				3,605
8	Transite		1,497				1,497
6	Transite		3,617	8			3,609
2	Plastic		835				835
		TOTALS	274,098	26	0	26	274,098

2. Cost of repairs per mile of pipe including valves _____

3. Number of leaks in mains, during the year 4

4. Number of leaks per mile 0.0771

5. Length of mains less than 4 inches in diamater 18,126 miles 3.43

409 Oxford

Annual report of Aquarion Water Company of Massachusetts — Year ended December 31, 2012

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			8	55,453
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	8			6,267
6	Transite		22,506				22,506
4	Ductile		354				354
2	Plastic		31				31
		TOTALS	214,697	8	0	8	214,697

2. Cost of repairs per mile of pipe including valves _____

3. Number of leaks in mains, during the year 6

4. Number of leaks per mile 0.1476

5. Length of mains less than 4 inches in diamater 15,309 miles 2.9

DISTRIBUTION INFORMATION

6. Water towers or stand pipes

	Location	Land Area	Land When Bought	Land Cost
A	Turkey Hill	23	1963	$4,766
B	Accord Tank			
C	(Accord Tank on land adjacent to Accord Pond - Included there			

	Capacity in Gallons	When Bought	Cost
A	2,000,000	1963	$103,921
B	750,000	1967	$145,359
C			
	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-W-Steel	0			0
	Plastic Galv	10,365	12		10,353
Installed since 1987		0			0
		0			0
3/4"	Plastic	1	1		0
3/4"	Copper	259			259
1"	Plastic	1,013			1,013
1"	Copper	700		52	752
2"	Plastic	217		10	227
4"	DICL	128			128
6"	DICL	64		13	77
8"	DICL	43		1	44
12"	DICL	1			1
	TOTALS	12,791	13	76	12,854

8. Average length of service pipe 25 feet

9. Average cost of service laid during the year $ 3,157

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 21

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.

DISTRIBUTION INFORMATION

6. Water towers or stand pipes Millbury

	Location	Land Area	Land When Bought	Land Cost
A	Burbank Hill	3.00 Acres	1895	
B				
C				
D				

	Inside Diameter	Capacity in Gallons	When Bought	Cost
A	130'	1,500,000	1895	$25,802
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
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	25			25
1 1/4	Cast Iron	4			4
1 1/2	Copper	0			0
3/4	Copper	1,370	5		1,365
3/4	Plastic	612			612
1	Copper	378		2	380
1	Plastic	498	1	7	504
1	Cement Lined	490	1		489
2	Plastic	33			33
2	Copper	2			2
	TOTALS	3,481	7	9	3,483

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 $ 4,247

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 5

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.

DISTRIBUTION INFORMATION

6. Water towers or stand pipes

	Location	Land		
		Area	When Bought	Cost
A	N. Main St., Oxford , MA	1 Acre	1905	$319
B		13.4 Acres	1944	$438
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		4	226
3/4	Copper	1,514	12		1,502
2	Cast Iron	5			5
4	Cast Iron Ductile	2			2
3/4	Plastic	497	2		495
1	Plastic	541		12	553
2	Plastic	25		2	27
1	Galv Iron	18			18
	TOTALS	2,859	14	18	2,863

8. Average length of service pipe 27 feet

9. Average cost of service laid during the year $ 3,374

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 12

13. Are service pipes paid for by consumer, in whole or in part and by what ext 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.

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	11			11
16	Gate Valves	11			11
14	Gate Valves	16			16
12	Gate Valves	304		2	306
10	Gate Valves	32			32
8	Gate Valves	903		14	917
6	Gate Valves	808		7	815
4	Gate Valves	209			209
3	Gate Valves	1			1
2 1/4 - 2 1/2	Gate Valves	86			86
2	Gate Valves	197	1	4	200
1 1/2	Gate Valves	10	1		9
1 1/4	Gate Valves	17			17
1	Gate Valves	275	4		271
3/4	Gate Valves	81			81
	Totals	3,029	6	27	3,050

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

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.

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
12	Gate Valve	57			57
10	Gate Valve	2			2
8	Gate Valve	184			184
6	Gate Valve	294			294
2 1/2	Gate Valve	18			18
2	Gate Valve	11			11
1 1/4	Gate Valve	2			2
1	Gate Valve	8			8
4	Gate Valve	1			1
	Totals	577	0	0	577

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

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		496	5		491
5 1/4		409	4	8	413
	TOTALS	905	9	8	904

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? Customer/Town Purchased & Installed
Town Owned

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		35	1		34
5 1/4		240	1	2	241
Metered		122			122
	TOTALS	406	2	2	406

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/Town Purchased & Installed

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	1		28
5	2 - 2 1/2, 1- 4	1			1
5 1/4	2 - 2 1/2, 1- 4	46	1	8	53
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	Hydrant is located in town of Auburn		1
	TOTALS	211	2	8	217

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	6		56
	TOTALS	108	6	0	102

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

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	2	69
	TOTALS	182	1	2	183

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

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	11,705	65	1,108	997	11,790	91
3/4	19	49	6	6	19	49
1	358	10	39	29	361	15
1 1/2	75	5		4	76	0
2	152	21	16	15	154	20
3	0	2	0		0	2
4	3	0	0		3	0
6	3	0	0	0	3	0
8	4	0	0	0	4	0
Totals	12,317	152	1,169	1,051	12,410	177

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? Customers do not pay for meters

DISTRIBUTION INFORMATION - Continued

21. Meters owned by Company

Size inches	Number at Beginning of Year In Use	Number at Beginning of Year On Hand	Bought Since	Condemned Since and Removed	Number at Close of Year In Use	Number at Close of Year On Hand
1/2						
5/8	3,363	35	399	300	3,406	91
3/4	1	0	0	0	1	0
1	54	5	3	5	55	2
1 1/2	16	4	4	2	17	5
2	46	8	3	2	46	9
3	1	0	0	0	1	0
4	4	0	0	0	4	0
5						
8						
Totals	3,485	52	409	309	3,530	107

22. Has the plant been debited with the first cost of installing the meters in use at close 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

DISTRIBUTION INFORMATION - Continued

21. Meters owned by Company

Size Inches	Number at Beginning of Year: In Use	Number at Beginning of Year: On Hand	Bought Since	Condemned Since and Removed	Number at Close of Year: In Use	Number at Close of Year: On Hand
1/2						
5/8	2,507	23	255	250	2,510	25
3/4	0	0	0	0	0	0
1	52	1	1	0	54	0
1 1/2	7	1	0	0	8	0
2	16	0	1	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	2,585	25	257	251	2,591	25

22. Has the plant been debited with the first cost of installing the meters in use at close of year, al 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, 2012

		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		11,881	68	376	76	174					12,575
Neptune	Turbine							2	3	1	4	10
Totals		0	11,881	68	376	76	174	2	3	3	4	12,587

Distribution Information - Concluded

25. Meters owned by Company as of December 31, 2012

		Size										
Maker	Type	1/2	5/8	3/4	1	1 1/2	2	3	4	6	8	Total
Neptune	Disc		3,401	1	57	22	55	1				3,537
Badger	Disc		77		0	0						77
Neptune	Turbine								4			4
Kent	Disc		19									19
Rockwell	Disc											
Totals		0	3,497	1	57	22	55	1	4	0	0	3,637

414 Oxford

Annual report of Aquarion Water Company of Massachusetts

Distribution Information - Concluded

25. Meters owned by Company as of December 31, 2012

		Size										
Maker	Type	1/2	5/8	3/4	1	1 1/2	2	3	4	6	8	Total
Neptune	Disc		2,503	0	51	7	14					2,575
Badger	Disc		23		3		2					28
Neptune	Fullcrest									2		2
Rockwell	Disc					1						1
Kent	Disc		9									9
Neptune	Protectus									1		1
Totals		0	2,535	0	54	8	16	0	0	3	0	2,616

415 Hingham

Annual report of Aquarion Water Company of Massachusetts American Water Company Year ended December 31, 2012

CONSUMPTION INFORMATION

	Permanent	Seasonal
1. Estimated total population of territory covered by franchise	32,135	46,709
2. Estimated population reached by the distribution system,	32,135	46,709
3. Estimated population actually supplied,	32,135	46,709

4. Total consumption during the year (1)	1,206,598,000	gallons
5. Average daily consumption (2)	3,296,716	gallons
6. Day on which greatest amount was pumped	16-Jul-12	
7. Gallons pumped on above day	5,669,000	gallons
8. Week during which greatest amount was pumped	7/8/12-7/14/12	
9. Gallons pumped during above week	36,448,600	gallons
10. Gallons per day per service (3)	204	gallons
11. Consumption metered	927,663,000	gallons
12. Consumption metered	76.9%	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
12,740	0	108	12,848

Name of City, Town or District	Number of Customers as of December 31, 2012
Hingham	7,932
Hull	4,590
Cohasset	326

(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, 2012

CONSUMPTION INFORMATION

1. Estimated total population of territory covered by franchise,	13,261	
2. Estimated population reached by the distribution system,	8,436	
3. Estimated population actually supplied,	8,436	
4. Total consumption during the year (1)	570,696,000	gallons
5. Average daily consumption (2)	1,559,279	gallons
6. Day on which greatest amount was pumped	15-Jul-12	
7. Gallons pumped on above day	2,589,000	gallons
8. Week during which greatest amount was pumped	w/e: July 8,2012	
9. Gallons pumped during above week	13,782,000	gallons
10. Gallons per day per service (3)	398	gallons
11. Consumption metered	513,730,000	gallons
12. Consumption metered	90.02%	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
3,603		65	3,668

Name of City, Town or District	Number of Customers as of December 31, 2012
Millbury	3,668

(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 Oxford

Annual report of Massachusetts American Water Company — Year ended December 31, 2012

CONSUMPTION INFORMATION

1. Estimated total population of territory covered by franchise,	12,506	
2. Estimated population reached by the distribution system,	6,195	
3. Estimated population actually supplied,	6,195	
4. Total consumption during the year (1)	242,230,000	gallons
5. Average daily consumption (2)	661,831	gallons
6. Day on which greatest amount was pumped	15-Jul-12	
7. Gallons pumped on above day	1,167,000	gallons
8. Week during which greatest amount was pumped	w/e: July 15,2012	
9. Gallons pumped during above week	6,699,000	gallons
10. Gallons per day per service (3)	203	gallons
11. Consumption metered	192,301,000	gallons
12. Consumption metered	79.39%	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
2,617		8	2,625

Name of City, Town or District	Number of Customers as of December 31,2012
Oxford	2,625

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

CONSUMPTION INFORMATION - Concluded

By Meter...SEE ATTACHED RATE TARIFF SHEETS DATED April 1, 2012 and November 1, 2012

.....

.....

.....

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?.....

THIS RETURN IS SIGNED UNDER THE PENALTIES OF PERJURY

Donald J. Morrissey — *Executive Vice President, Treasurer, Secretary and Clerk*

Charles V. Firlotte — *Director*

Donald J. Morrissey — *Director*

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

STATE OF CONNECTICUT

COUNTY OF FAIRFIELD ss. Bridgeport, March 27, 2013

Then personally appeared Donald J. Morrissey, Exec. VP, Treasurer, Secretary, Clerk & Director of Aquarion Water Company of Massachusetts, and Charles V. Firlotte, Director of Aquarion Water Company of Massachusetts.

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

Georgeanne F. Berg

Signature

11/30/16

Expiration of Commission

Notary Public ~~or Justice of the Peace~~

GEORGEANNE F. BERG
NOTARY PUBLIC
MY COMMISSION EXPIRES NOV. 30, 2016

150

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, 2012

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

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	$2.874
Over 12 CCF per Quarter/ 4 CCF per Month	$3.915

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	$2.107
Over 12 CCF per Quarter/ 4 CCF per Month	$2.638

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	$2.107
Over 12 CCF per Quarter/ 4 CCF per Month	$2.496

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 $2.239

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 $1.572

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.

	Service Charge	
Size of Meter	Per Month	Per Quarter
5/8"	$ 15.61	$ 46.83
3/4"	$ 23.73	$ 71.19
1"	$ 38.09	$ 114.27
1 1/2"	$ 74.31	$ 222.93
2"	$ 117.71	$ 353.13
3"	$ 219.19	$ 657.57
4"	$ 363.27	$ 1,089.81
6"	$ 725.15	$ 2,175.45
8"	$ 1,159.77	$ 3,479.31

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 1,2012

By: Donald J. Morrissey

Effective: April 1, 2012

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	$3.841
Over 9 KGAL per Quarter/ 3 KGAL per Month	$5.233
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	$2.815
Over 9 KGAL per Quarter/ 3 KGAL per Month	$3.528
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	$2.815
Over 9 KGAL per Quarter/ 3 KGAL per Month	$3.337
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	$2.992
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	$2.102

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.

	Service Charge	
Size of Meter	Per Month	Per Quarter
5/8"	$ 15.61	$ 46.83
3/4"	$ 23.73	$ 71.19
1"	$ 38.09	$ 114.27
1 1/2"	$ 74.31	$ 222.93
2"	$ 117.71	$ 353.13
3"	$ 219.19	$ 657.57
4"	$ 363.27	$ 1,089.81
6"	$ 725.15	$ 2,175.45
8"	$ 1,159.77	$ 3,479.31

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 1,2012

By: Donald J. Morrissey

Effective: April 1,2012

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

	Per Year
For each service connection 4" or smaller	$ 513.47
For each service connection 6"	$ 1,077.88
For each service connection 8"	$ 1,868.07
For each service connection 10"	$ 2,884.02
For each service connection 12"	$ 4,125.73
For each privately owned fire hydrant serving Cohasset, Hingham, Hull, Millbury and Oxford	$ 735.39
For each privately owned fire hydrant outside Cohasset, Hingham, Hull, Millbury and Oxford	$ 924.04

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 1,2012

Effective: April 1,2012

By: Donald J. Mum

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	$ 221.77
In addition, annual charges as follows:	
Town of Hingham	$ 354,424.00
Town of Hull	$ 203,951.00
Town of Cohasset	$ 16,788.00
Town of Millbury	$ 143,013.00
Town of Oxford	$ 99,487.00

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 1,2012

Effective: April 1,2012

By: _____

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:

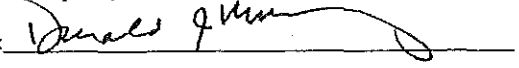
$ 2.00 per 1,000 gallons

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 x 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 1,2012

By: 

Effective: April 1,2012

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 ½"	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 1,2012

By: Donald J Mu

Effective: April 1,2012

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
Seasonal Meter Set & Turn On Fee	$	49.00
Seasonal Meter Removal Fee & Turn Off Fee	$	49.00
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
Theft of Service	$	1,000.00
(or triple the amount of damages which ever is greater)		
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.

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

	Service Charge	
Size of Meter	Per Month	Per Quarter
5/8"	10.25	$30.75
3/4"	$15.59	$46.77
1"	$25.01	$75.03
1 1/2"	$48.79	$146.37
2"	$77.28	$231.84
3"	$143.91	$431.73
4"	$238.52	$715.56
6"	$476.11	$1,428.33
8"	$761.47	$2,284.41

Consumption Charge per 100 cubic feet for Water Treatment Facility Lease $0.7342

Consumption Charge per 100 cubic feet for Water Treatment Operation and Maintenance $1.0119

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: October 22, 2012

By: _____

Effective: November 1, 2012

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.